



## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Federal 6/7-14-22
<b>Company:</b>	Coachman Energy Operating Company, LLC	<b>TVD Reference:</b>	DD @ 7073.0usft
<b>Project:</b>	Garfield County, CO	<b>MD Reference:</b>	DD @ 7073.0usft
<b>Site:</b>	S22-T6S-R91W	<b>North Reference:</b>	True
<b>Well:</b>	Federal 6/7-14-22	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	DD		
<b>Design:</b>	Plan #1		

<b>Project</b>	Garfield County, CO		
<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 Northern Zone		

Site		S22-T6S-R91W			
Site Position:		Northing:	1,070,005.61 usft	Latitude:	39.507175
From:	Lat/Long	Easting:	2,421,858.13 usft	Longitude:	-107.549037
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	-1.32 °

Well	Federal 6/7-14-22					
Well Position	+N/-S	0.0 usft	Northing:	1,069,968.09 usft	Latitude:	39.507073
	+E/-W	0.0 usft	Easting:	2,421,873.07 usft	Longitude:	-107.548981
Position Uncertainty		0.0 usft	Wellhead Elevation:	0.0 usft	Ground Level:	7,047.0 usft

<b>Wellbore</b>	DD				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	HDGM	3/13/2015	9.60	65.67	51,942

<b>Design</b>	Plan #1			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Direction (°)</b>
	0.0	0.0	0.0	69.79

<b>Plan Sections</b>										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,038.9	25.17	69.79	1,012.2	62.6	170.1	3.00	3.00	0.00	69.79	
4,669.1	25.17	69.79	4,297.8	596.0	1,618.8	0.00	0.00	0.00	0.00	
5,508.0	0.00	0.00	5,110.0	658.7	1,789.0	3.00	-3.00	0.00	180.00	6/7-14-22 TOG
8,473.0	0.00	0.00	8,075.0	658.7	1,789.0	0.00	0.00	0.00	0.00	

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<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Federal 6/7-14-22
<b>Company:</b>	Coachman Energy Operating Company, LLC	<b>TVD Reference:</b>	DD @ 7073.0usft
<b>Project:</b>	Garfield County, CO	<b>MD Reference:</b>	DD @ 7073.0usft
<b>Site:</b>	S22-T6S-R91W	<b>North Reference:</b>	True
<b>Well:</b>	Federal 6/7-14-22	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	DD		
<b>Design:</b>	Plan #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 (°/100u)	Comments / Formations
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	KOP @ 200'
300.0	3.00	69.79	300.0	0.9	2.5	2.6	3.00	3.00	
400.0	6.00	69.79	399.6	3.6	9.8	10.5	3.00	3.00	
500.0	9.00	69.79	498.8	8.1	22.1	23.5	3.00	3.00	
600.0	12.00	69.79	597.1	14.4	39.2	41.7	3.00	3.00	
700.0	15.00	69.79	694.3	22.5	61.1	65.1	3.00	3.00	
800.0	18.00	69.79	790.2	32.3	87.7	93.5	3.00	3.00	
900.0	21.00	69.79	884.4	43.8	119.0	126.9	3.00	3.00	
1,000.0	24.00	69.79	976.8	57.0	154.9	165.1	3.00	3.00	
1,038.9	25.17	69.79	1,012.2	62.6	170.1	181.3	3.00	3.00	EOB; INC=25.17°
1,100.0	25.17	69.79	1,067.5	71.6	194.5	207.3	0.00	0.00	
1,200.0	25.17	69.79	1,158.0	86.3	234.4	249.8	0.00	0.00	
1,300.0	25.17	69.79	1,248.5	101.0	274.3	292.3	0.00	0.00	
1,400.0	25.17	69.79	1,339.0	115.7	314.2	334.9	0.00	0.00	
1,500.0	25.17	69.79	1,429.5	130.4	354.1	377.4	0.00	0.00	
1,600.0	25.17	69.79	1,520.0	145.1	394.0	419.9	0.00	0.00	
1,700.0	25.17	69.79	1,610.5	159.8	434.0	462.4	0.00	0.00	
1,800.0	25.17	69.79	1,701.0	174.5	473.9	505.0	0.00	0.00	
1,900.0	25.17	69.79	1,791.5	189.2	513.8	547.5	0.00	0.00	
2,000.0	25.17	69.79	1,882.0	203.9	553.7	590.0	0.00	0.00	
2,100.0	25.17	69.79	1,972.6	218.5	593.6	632.5	0.00	0.00	
2,200.0	25.17	69.79	2,063.1	233.2	633.5	675.1	0.00	0.00	
2,300.0	25.17	69.79	2,153.6	247.9	673.4	717.6	0.00	0.00	
2,400.0	25.17	69.79	2,244.1	262.6	713.3	760.1	0.00	0.00	
2,500.0	25.17	69.79	2,334.6	277.3	753.2	802.6	0.00	0.00	
2,600.0	25.17	69.79	2,425.1	292.0	793.1	845.2	0.00	0.00	
2,700.0	25.17	69.79	2,515.6	306.7	833.0	887.7	0.00	0.00	
2,800.0	25.17	69.79	2,606.1	321.4	872.9	930.2	0.00	0.00	
2,900.0	25.17	69.79	2,696.6	336.1	912.8	972.7	0.00	0.00	
3,000.0	25.17	69.79	2,787.1	350.8	952.7	1,015.3	0.00	0.00	
3,100.0	25.17	69.79	2,877.6	365.5	992.6	1,057.8	0.00	0.00	
3,200.0	25.17	69.79	2,968.1	380.2	1,032.6	1,100.3	0.00	0.00	
3,300.0	25.17	69.79	3,058.6	394.9	1,072.5	1,142.8	0.00	0.00	
3,400.0	25.17	69.79	3,149.2	409.6	1,112.4	1,185.4	0.00	0.00	
3,500.0	25.17	69.79	3,239.7	424.3	1,152.3	1,227.9	0.00	0.00	
3,600.0	25.17	69.79	3,330.2	438.9	1,192.2	1,270.4	0.00	0.00	
3,700.0	25.17	69.79	3,420.7	453.6	1,232.1	1,312.9	0.00	0.00	
3,800.0	25.17	69.79	3,511.2	468.3	1,272.0	1,355.5	0.00	0.00	
3,900.0	25.17	69.79	3,601.7	483.0	1,311.9	1,398.0	0.00	0.00	
4,000.0	25.17	69.79	3,692.2	497.7	1,351.8	1,440.5	0.00	0.00	
4,100.0	25.17	69.79	3,782.7	512.4	1,391.7	1,483.0	0.00	0.00	
4,200.0	25.17	69.79	3,873.2	527.1	1,431.6	1,525.6	0.00	0.00	
4,300.0	25.17	69.79	3,963.7	541.8	1,471.5	1,568.1	0.00	0.00	
4,400.0	25.17	69.79	4,054.2	556.5	1,511.4	1,610.6	0.00	0.00	
4,500.0	25.17	69.79	4,144.7	571.2	1,551.3	1,653.1	0.00	0.00	
4,600.0	25.17	69.79	4,235.2	585.9	1,591.2	1,695.7	0.00	0.00	
4,669.1	25.17	69.79	4,297.8	596.0	1,618.8	1,725.1	0.00	0.00	Start Drop -3.00
4,700.0	24.24	69.79	4,325.9	600.5	1,630.9	1,738.0	3.00	-3.00	
4,800.0	21.24	69.79	4,418.1	613.8	1,667.2	1,776.6	3.00	-3.00	
4,900.0	18.24	69.79	4,512.2	625.5	1,698.9	1,810.4	3.00	-3.00	

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<b>Company:</b>	Coachman Energy Operating Company, LLC	<b>TVD Reference:</b>	DD @ 7073.0usft
<b>Project:</b>	Garfield County, CO	<b>MD Reference:</b>	DD @ 7073.0usft
<b>Site:</b>	S22-T6S-R91W	<b>North Reference:</b>	True
<b>Well:</b>	Federal 6/7-14-22	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	DD		
<b>Design:</b>	Plan #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 (°/100u)	Comments / Formations
5,000.0	15.24	69.79	4,607.9	635.5	1,725.9	1,839.2	3.00	-3.00	
5,035.2	14.18	69.79	4,642.0	638.6	1,734.3	1,848.1	3.00	-3.00	Williams Fork
5,100.0	12.24	69.79	4,705.1	643.7	1,748.2	1,862.9	3.00	-3.00	
5,200.0	9.24	69.79	4,803.3	650.1	1,765.7	1,881.6	3.00	-3.00	
5,300.0	6.24	69.79	4,902.4	654.8	1,778.3	1,895.0	3.00	-3.00	
5,400.0	3.24	69.79	5,002.0	657.6	1,786.1	1,903.3	3.00	-3.00	
5,500.0	0.24	69.79	5,102.0	658.7	1,788.9	1,906.4	3.00	-3.00	
5,508.0	0.00	0.00	5,110.0	658.7	1,789.0	1,906.4	3.00	-3.00	EOD; INC=0° - Top of Gas - 6/7-14-22 TOG
5,600.0	0.00	0.00	5,202.0	658.7	1,789.0	1,906.4	0.00	0.00	
5,700.0	0.00	0.00	5,302.0	658.7	1,789.0	1,906.4	0.00	0.00	
5,800.0	0.00	0.00	5,402.0	658.7	1,789.0	1,906.4	0.00	0.00	
5,900.0	0.00	0.00	5,502.0	658.7	1,789.0	1,906.4	0.00	0.00	
6,000.0	0.00	0.00	5,602.0	658.7	1,789.0	1,906.4	0.00	0.00	
6,100.0	0.00	0.00	5,702.0	658.7	1,789.0	1,906.4	0.00	0.00	
6,200.0	0.00	0.00	5,802.0	658.7	1,789.0	1,906.4	0.00	0.00	
6,300.0	0.00	0.00	5,902.0	658.7	1,789.0	1,906.4	0.00	0.00	
6,400.0	0.00	0.00	6,002.0	658.7	1,789.0	1,906.4	0.00	0.00	
6,500.0	0.00	0.00	6,102.0	658.7	1,789.0	1,906.4	0.00	0.00	
6,600.0	0.00	0.00	6,202.0	658.7	1,789.0	1,906.4	0.00	0.00	
6,700.0	0.00	0.00	6,302.0	658.7	1,789.0	1,906.4	0.00	0.00	
6,800.0	0.00	0.00	6,402.0	658.7	1,789.0	1,906.4	0.00	0.00	
6,900.0	0.00	0.00	6,502.0	658.7	1,789.0	1,906.4	0.00	0.00	
7,000.0	0.00	0.00	6,602.0	658.7	1,789.0	1,906.4	0.00	0.00	
7,100.0	0.00	0.00	6,702.0	658.7	1,789.0	1,906.4	0.00	0.00	
7,200.0	0.00	0.00	6,802.0	658.7	1,789.0	1,906.4	0.00	0.00	
7,300.0	0.00	0.00	6,902.0	658.7	1,789.0	1,906.4	0.00	0.00	
7,400.0	0.00	0.00	7,002.0	658.7	1,789.0	1,906.4	0.00	0.00	
7,500.0	0.00	0.00	7,102.0	658.7	1,789.0	1,906.4	0.00	0.00	
7,600.0	0.00	0.00	7,202.0	658.7	1,789.0	1,906.4	0.00	0.00	
7,700.0	0.00	0.00	7,302.0	658.7	1,789.0	1,906.4	0.00	0.00	
7,800.0	0.00	0.00	7,402.0	658.7	1,789.0	1,906.4	0.00	0.00	
7,900.0	0.00	0.00	7,502.0	658.7	1,789.0	1,906.4	0.00	0.00	
8,000.0	0.00	0.00	7,602.0	658.7	1,789.0	1,906.4	0.00	0.00	
8,100.0	0.00	0.00	7,702.0	658.7	1,789.0	1,906.4	0.00	0.00	
8,106.0	0.00	0.00	7,708.0	658.7	1,789.0	1,906.4	0.00	0.00	Cameo
8,200.0	0.00	0.00	7,802.0	658.7	1,789.0	1,906.4	0.00	0.00	
8,300.0	0.00	0.00	7,902.0	658.7	1,789.0	1,906.4	0.00	0.00	
8,370.0	0.00	0.00	7,972.0	658.7	1,789.0	1,906.4	0.00	0.00	Rollins
8,400.0	0.00	0.00	8,002.0	658.7	1,789.0	1,906.4	0.00	0.00	
8,473.0	0.00	0.00	8,075.0	658.7	1,789.0	1,906.4	0.00	0.00	TD at 8473.0

Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
6/7-14-22 TOG	0.00	0.00	5,110.0	658.7	1,789.0	1,070,585.25	2,423,676.77	39.508881	-107.542641
- hit/miss target									
- Shape									
- plan hits target center									
- Circle (radius 75.0)									

## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Federal 6/7-14-22
<b>Company:</b>	Coachman Energy Operating Company, LLC	<b>TVD Reference:</b>	DD @ 7073.0usft
<b>Project:</b>	Garfield County, CO	<b>MD Reference:</b>	DD @ 7073.0usft
<b>Site:</b>	S22-T6S-R91W	<b>North Reference:</b>	True
<b>Well:</b>	Federal 6/7-14-22	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	DD		
<b>Design:</b>	Plan #1		

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
5,035.2	4,642.0	Williams Fork				
5,508.0	5,110.0	Top of Gas				
8,106.0	7,708.0	Cameo				
8,370.0	7,972.0	Rollins				

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
200.0	200.0	0.0	0.0	KOP @ 200'	
1,038.9	1,012.2	62.6	170.1	EOB; INC=25.17°	
4,669.1	4,297.8	596.0	1,618.8	Start Drop -3.00	
5,508.0	5,110.0	658.7	1,789.0	EOD; INC=0°	
8,473.0	8,075.0	658.7	1,789.0	TD at 8473.0	

# **Coachman Energy Operating Company, LLC**

**Garfield County, CO**

**S22-T6S-R91W**

**Federal 6/7-14-22**

**DD**

**Plan #1**

## **Anticollision Report**

**16 March, 2015**

## Anticollision Report

<b>Company:</b>	Coachman Energy Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Federal 6/7-14-22
<b>Project:</b>	Garfield County, CO	<b>TVD Reference:</b>	DD @ 7073.0usft
<b>Reference Site:</b>	S22-T6S-R91W	<b>MD Reference:</b>	DD @ 7073.0usft
<b>Site Error:</b>	0.0usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Federal 6/7-14-22	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Reference	Plan #1		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	Stations	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 1,000.0usft	Error Surface:	Elliptical Conic
Warning Levels Evaluated at:	2.00 Sigma		

Survey Tool Program		Date	3/16/2015		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.0	8,473.0	Plan #1 (DD)	ISCWSA MWD	MWD - ISCWSA	

<b>Summary</b>						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offet Well - Wellbore - Design						
S22-T6S-R91W						
Federal 2/3-11-22 - DD - Plan #1	200.0	200.0	40.4	39.8	65.567	CC, ES
Federal 2/3-11-22 - DD - Plan #1	3,300.0	3,114.6	993.7	956.3	26.578	SF
Federal 2/3-12-22 - DD - Plan #1	200.0	200.0	27.1	26.5	44.010	CC, ES
Federal 2/3-12-22 - DD - Plan #1	500.0	497.3	43.4	41.3	20.421	SF
Federal 2/3-13-22 - DD - Plan #1	200.0	200.0	16.9	16.3	27.425	CC, ES
Federal 2/3-13-22 - DD - Plan #1	400.0	400.0	24.6	23.0	15.067	SF
Federal 2/3-14-22 - DD - Plan #1	200.0	200.0	16.8	16.2	27.276	CC, ES
Federal 2/3-14-22 - DD - Plan #1	500.0	501.2	35.3	33.0	15.706	SF
Federal 2/3-15-22 - DD - Plan #1	200.0	200.0	26.9	26.3	43.732	CC, ES
Federal 2/3-15-22 - DD - Plan #1	600.0	603.5	42.8	40.0	15.326	SF
Federal 2/3-16-22 - DD - Plan #1	200.0	200.0	40.4	39.8	65.642	CC, ES
Federal 2/3-16-22 - DD - Plan #1	700.0	700.6	78.0	74.6	22.780	SF
Federal 6/7-13-22 - DD - Plan #1	313.2	313.0	14.5	13.4	12.932	CC, ES
Federal 6/7-13-22 - DD - Plan #1	8,473.0	8,533.7	329.0	249.7	4.148	SF
Federal 6/7-15-22 - DD - Plan #1	200.0	200.0	14.9	14.3	24.255	CC, ES
Federal 6/7-15-22 - DD - Plan #1	8,473.0	8,444.3	329.0	249.8	4.152	SF
Federal 6/7-16-22 - DD - Plan #1	200.0	200.0	29.9	29.3	48.510	CC, ES
Federal 6/7-16-22 - DD - Plan #1	8,473.0	8,428.7	658.0	578.7	8.302	SF

# Anticollision Report

<b>Company:</b>	Coachman Energy Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Federal 6/7-14-22
<b>Project:</b>	Garfield County, CO	<b>TVD Reference:</b>	DD @ 7073.0usft
<b>Reference Site:</b>	S22-T6S-R91W	<b>MD Reference:</b>	DD @ 7073.0usft
<b>Site Error:</b>	0.0usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Federal 6/7-14-22	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S22-T6S-R91W - Federal 2/3-11-22 - DD - Plan #1													Offset Site Error:	0.0 usft
Survey Program: 0-ISCSWA MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)						
0.0	0.0	0.0	0.0	0.0	0.0	-23.04	37.2	-15.8	40.4					
100.0	100.0	100.0	100.0	0.1	0.1	-23.04	37.2	-15.8	40.4	0.17	242.776			
200.0	200.0	200.0	200.0	0.3	0.3	-23.04	37.2	-15.8	40.4	0.62	65.567 CC, ES			
300.0	300.0	298.3	298.3	0.5	0.5	-94.07	39.6	-15.1	42.5	1.06	39.999			
400.0	399.6	396.3	396.0	0.8	0.8	-97.13	46.8	-13.0	49.0	1.55	31.582			
500.0	498.8	493.7	492.6	1.1	1.0	-100.68	58.8	-9.5	60.1	2.12	28.376			
600.0	597.1	590.2	587.5	1.4	1.4	-103.79	75.3	-4.8	75.7	2.78	27.198			
700.0	694.3	685.5	680.2	1.9	1.8	-106.16	96.1	1.2	95.9	3.57	26.831			
800.0	790.2	779.3	770.4	2.4	2.2	-107.83	120.9	8.4	120.5	4.50	26.789			
900.0	884.4	871.4	857.7	3.0	2.8	-108.92	149.4	16.6	149.5	5.56	26.882			
1,000.0	976.8	964.3	944.3	3.8	3.4	-109.84	181.4	25.9	182.1	6.75	26.990			
1,038.9	1,012.2	1,000.7	978.3	4.1	3.6	-110.39	194.0	29.6	195.4	7.24	26.983			
1,100.0	1,067.5	1,057.8	1,031.5	4.6	4.0	-111.80	213.9	35.3	216.5	8.03	26.976			
1,200.0	1,158.0	1,151.3	1,118.7	5.4	4.7	-113.60	246.5	44.7	251.4	9.33	26.929			
1,300.0	1,248.5	1,244.8	1,205.8	6.3	5.3	-114.97	279.0	54.1	286.3	10.65	26.896			
1,400.0	1,339.0	1,338.3	1,292.9	7.1	5.9	-116.03	311.5	63.5	321.4	11.97	26.862			
1,500.0	1,429.5	1,431.8	1,380.1	8.0	6.6	-116.89	344.1	73.0	356.6	13.29	26.831			
1,600.0	1,520.0	1,525.3	1,467.2	8.9	7.2	-117.60	376.6	82.4	391.8	14.62	26.803			
1,700.0	1,610.5	1,618.7	1,554.4	9.7	7.9	-118.18	409.2	91.8	427.1	15.95	26.777			
1,800.0	1,701.0	1,712.2	1,641.5	10.6	8.5	-118.68	441.7	101.2	462.4	17.28	26.754			
1,900.0	1,791.5	1,805.7	1,728.6	11.5	9.2	-119.11	474.2	110.6	497.8	18.62	26.734			
2,000.0	1,882.0	1,899.2	1,815.8	12.3	9.9	-119.48	506.8	120.0	533.1	19.96	26.715			
2,100.0	1,972.6	1,992.7	1,902.9	13.2	10.5	-119.81	539.3	129.4	568.5	21.29	26.698			
2,200.0	2,063.1	2,086.2	1,990.0	14.1	11.2	-120.09	571.9	138.8	603.9	22.63	26.683			
2,300.0	2,153.6	2,179.7	2,077.2	15.0	11.8	-120.35	604.4	148.2	639.3	23.97	26.669			
2,400.0	2,244.1	2,273.2	2,164.3	15.8	12.5	-120.58	636.9	157.6	674.7	25.31	26.656			
2,500.0	2,334.6	2,366.7	2,251.5	16.7	13.1	-120.78	669.5	167.1	710.1	26.65	26.645			
2,600.0	2,425.1	2,460.1	2,338.6	17.6	13.8	-120.97	702.0	176.5	745.5	27.99	26.634			
2,700.0	2,515.6	2,553.6	2,425.7	18.4	14.4	-121.14	734.5	185.9	781.0	29.33	26.624			
2,800.0	2,606.1	2,647.1	2,512.9	19.3	15.1	-121.29	767.1	195.3	816.4	30.68	26.615			
2,900.0	2,696.6	2,740.6	2,600.0	20.2	15.8	-121.43	799.6	204.7	851.9	32.02	26.606			
3,000.0	2,787.1	2,834.1	2,687.1	21.1	16.4	-121.56	832.2	214.1	887.3	33.36	26.598			
3,100.0	2,877.6	2,927.6	2,774.3	21.9	17.1	-121.68	864.7	223.5	922.8	34.70	26.591			
3,200.0	2,968.1	3,021.1	2,861.4	22.8	17.7	-121.80	897.2	232.9	958.2	36.04	26.584			
3,300.0	3,058.6	3,114.6	2,948.5	23.7	18.4	-121.90	929.8	242.3	993.7	37.39	26.578 SF			



# Anticollision Report

<b>Company:</b>	Coachman Energy Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Federal 6/7-14-22
<b>Project:</b>	Garfield County, CO	<b>TVD Reference:</b>	DD @ 7073.0usft
<b>Reference Site:</b>	S22-T6S-R91W	<b>MD Reference:</b>	DD @ 7073.0usft
<b>Site Error:</b>	0.0usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Federal 6/7-14-22	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S22-T6S-R91W - Federal 2/3-12-22 - DD - Plan #1													Offset Site Error:	0.0 usft
Survey Program: 0-ISCSWA MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)						
0.0	0.0	0.0	0.0	0.0	0.0	-34.93	22.2	-15.5	27.1					
100.0	100.0	100.0	100.0	0.1	0.1	-34.93	22.2	-15.5	27.1	26.9	0.17	162.955		
200.0	200.0	200.0	200.0	0.3	0.3	-34.93	22.2	-15.5	27.1	26.5	0.62	44.010 CC, ES		
300.0	300.0	299.6	299.6	0.5	0.5	-108.73	22.8	-15.3	28.2	27.1	1.07	26.416		
400.0	399.6	398.6	398.5	0.8	0.8	-113.66	27.7	-13.5	33.5	32.0	1.56	21.486		
500.0	498.8	497.3	496.6	1.1	1.0	-116.89	37.2	-10.0	43.4	41.3	2.12	20.421 SF		
600.0	597.1	595.4	593.5	1.4	1.3	-118.48	51.5	-4.8	57.6	54.9	2.78	20.756		
700.0	694.3	692.5	688.5	1.9	1.7	-119.02	70.1	2.0	76.1	72.6	3.54	21.494		
800.0	790.2	788.5	781.3	2.4	2.1	-118.97	93.0	10.4	98.7	94.3	4.44	22.246		
900.0	884.4	884.2	872.9	3.0	2.6	-118.97	119.4	20.0	125.1	119.7	5.47	22.893		
1,000.0	976.8	979.8	964.1	3.8	3.1	-120.27	146.1	29.8	154.2	147.6	6.58	23.438		
1,038.9	1,012.2	1,016.7	999.3	4.1	3.4	-120.99	156.4	33.5	166.2	159.2	7.03	23.652		
1,100.0	1,067.5	1,074.5	1,054.5	4.6	3.7	-122.53	172.6	39.4	185.5	177.8	7.73	23.994		
1,200.0	1,158.0	1,169.1	1,144.8	5.4	4.2	-124.47	199.0	49.1	217.3	208.4	8.89	24.436		
1,300.0	1,248.5	1,263.6	1,235.1	6.3	4.8	-125.91	225.4	58.8	249.3	239.2	10.05	24.791		
1,400.0	1,339.0	1,358.2	1,325.5	7.1	5.3	-127.02	251.9	68.4	281.3	270.1	11.22	25.068		
1,500.0	1,429.5	1,452.8	1,415.8	8.0	5.9	-127.91	278.3	78.1	313.5	301.1	12.39	25.291		
1,600.0	1,520.0	1,547.4	1,506.1	8.9	6.4	-128.63	304.7	87.7	345.7	332.1	13.57	25.474		
1,700.0	1,610.5	1,642.0	1,596.4	9.7	7.0	-129.23	331.1	97.4	377.9	363.2	14.75	25.627		
1,800.0	1,701.0	1,736.6	1,686.7	10.6	7.5	-129.73	357.6	107.1	410.2	394.3	15.93	25.757		
1,900.0	1,791.5	1,831.2	1,777.0	11.5	8.1	-130.17	384.0	116.7	442.5	425.4	17.11	25.867		
2,000.0	1,882.0	1,925.8	1,867.3	12.3	8.6	-130.54	410.4	126.4	474.8	456.5	18.29	25.962		
2,100.0	1,972.6	2,020.4	1,957.6	13.2	9.2	-130.86	436.8	136.0	507.2	487.7	19.47	26.046		
2,200.0	2,063.1	2,115.0	2,047.9	14.1	9.7	-131.15	463.3	145.7	539.5	518.9	20.66	26.119		
2,300.0	2,153.6	2,209.6	2,138.2	15.0	10.3	-131.40	489.7	155.4	571.9	550.0	21.84	26.183		
2,400.0	2,244.1	2,304.1	2,228.5	15.8	10.9	-131.63	516.1	165.0	604.2	581.2	23.03	26.241		
2,500.0	2,334.6	2,398.7	2,318.9	16.7	11.4	-131.83	542.6	174.7	636.6	612.4	24.21	26.292		
2,600.0	2,425.1	2,493.3	2,409.2	17.6	12.0	-132.02	569.0	184.3	669.0	643.6	25.40	26.339		
2,700.0	2,515.6	2,587.9	2,499.5	18.4	12.5	-132.18	595.4	194.0	701.4	674.8	26.59	26.381		
2,800.0	2,606.1	2,682.5	2,589.8	19.3	13.1	-132.34	621.8	203.7	733.8	706.0	27.77	26.419		
2,900.0	2,696.6	2,777.1	2,680.1	20.2	13.7	-132.48	648.3	213.3	766.2	737.2	28.96	26.454		
3,000.0	2,787.1	2,871.7	2,770.4	21.1	14.2	-132.60	674.7	223.0	798.6	768.4	30.15	26.486		
3,100.0	2,877.6	2,966.3	2,860.7	21.9	14.8	-132.72	701.1	232.6	831.0	799.6	31.34	26.516		
3,200.0	2,968.1	3,060.9	2,951.0	22.8	15.3	-132.83	727.5	242.3	863.4	830.9	32.53	26.543		
3,300.0	3,058.6	3,155.5	3,041.3	23.7	15.9	-132.93	754.0	252.0	895.8	862.1	33.72	26.568		
3,400.0	3,149.2	3,250.1	3,131.6	24.6	16.4	-133.03	780.4	261.6	928.2	893.3	34.91	26.592		
3,500.0	3,239.7	3,344.6	3,222.0	25.4	17.0	-133.11	806.8	271.3	960.6	924.5	36.10	26.613		
3,600.0	3,330.2	3,439.2	3,312.3	26.3	17.6	-133.20	833.2	280.9	993.0	955.8	37.29	26.634		

# Anticollision Report

<b>Company:</b>	Coachman Energy Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Federal 6/7-14-22
<b>Project:</b>	Garfield County, CO	<b>TVD Reference:</b>	DD @ 7073.0usft
<b>Reference Site:</b>	S22-T6S-R91W	<b>MD Reference:</b>	DD @ 7073.0usft
<b>Site Error:</b>	0.0usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Federal 6/7-14-22	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S22-T6S-R91W - Federal 2/3-13-22 - DD - Plan #1													Offset Site Error:	0.0 usft
Survey Program: 0-ISCSWA MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)						
0.0	0.0	0.0	0.0	0.0	0.0	-64.45	7.3	-15.2	16.9					
100.0	100.0	100.0	100.0	0.1	0.1	-64.45	7.3	-15.2	16.9	16.7	0.17	101.545		
200.0	200.0	200.0	200.0	0.3	0.3	-64.45	7.3	-15.2	16.9	16.3	0.62	27.425 CC, ES		
300.0	300.0	300.0	300.0	0.5	0.5	-139.92	7.3	-15.2	18.8	17.7	1.10	17.066		
400.0	399.6	400.0	399.9	0.8	0.8	-145.55	9.6	-14.1	24.6	23.0	1.64	15.067 SF		
500.0	498.8	499.8	499.5	1.1	1.0	-144.94	16.7	-10.6	33.8	31.6	2.19	15.437		
600.0	597.1	599.4	598.2	1.4	1.3	-141.87	28.3	-4.9	46.2	43.4	2.79	16.557		
700.0	694.3	698.5	695.6	1.9	1.6	-138.28	44.4	3.1	62.0	58.5	3.48	17.815		
800.0	790.2	796.7	791.2	2.4	2.0	-135.30	64.4	12.9	81.4	77.1	4.29	18.969		
900.0	884.4	894.0	885.8	3.0	2.4	-134.95	84.7	23.0	104.4	99.2	5.19	20.125		
1,000.0	976.8	990.3	979.5	3.8	2.9	-136.14	104.9	32.9	131.1	125.0	6.13	21.392		
1,038.9	1,012.2	1,027.4	1,015.6	4.1	3.0	-136.81	112.7	36.7	142.5	136.0	6.50	21.921		
1,100.0	1,067.5	1,085.6	1,072.1	4.6	3.3	-138.13	124.8	42.8	160.9	153.8	7.06	22.793		
1,200.0	1,158.0	1,180.8	1,164.7	5.4	3.7	-139.75	144.8	52.6	191.1	183.1	7.98	23.946		
1,300.0	1,248.5	1,276.0	1,257.3	6.3	4.2	-140.93	164.7	62.4	221.5	212.5	8.91	24.851		
1,400.0	1,339.0	1,371.2	1,349.9	7.1	4.6	-141.82	184.6	72.2	251.8	242.0	9.85	25.569		
1,500.0	1,429.5	1,466.4	1,442.4	8.0	5.1	-142.53	204.5	82.1	282.3	271.5	10.79	26.152		
1,600.0	1,520.0	1,561.6	1,535.0	8.9	5.5	-143.09	224.5	91.9	312.8	301.0	11.74	26.632		
1,700.0	1,610.5	1,656.8	1,627.6	9.7	6.0	-143.56	244.4	101.7	343.2	330.6	12.70	27.034		
1,800.0	1,701.0	1,752.0	1,720.2	10.6	6.5	-143.94	264.3	111.6	373.8	360.1	13.65	27.374		
1,900.0	1,791.5	1,847.2	1,812.7	11.5	6.9	-144.27	284.2	121.4	404.3	389.7	14.61	27.665		
2,000.0	1,882.0	1,942.4	1,905.3	12.3	7.4	-144.56	304.2	131.2	434.8	419.2	15.58	27.917		
2,100.0	1,972.6	2,037.6	1,997.9	13.2	7.8	-144.80	324.1	141.1	465.4	448.8	16.54	28.137		
2,200.0	2,063.1	2,132.8	2,090.5	14.1	8.3	-145.02	344.0	150.9	495.9	478.4	17.50	28.330		
2,300.0	2,153.6	2,228.0	2,183.0	15.0	8.7	-145.21	363.9	160.7	526.5	508.0	18.47	28.502		
2,400.0	2,244.1	2,323.2	2,275.6	15.8	9.2	-145.38	383.9	170.5	557.0	537.6	19.44	28.654		
2,500.0	2,334.6	2,418.4	2,368.2	16.7	9.7	-145.53	403.8	180.4	587.6	567.2	20.41	28.791		
2,600.0	2,425.1	2,513.6	2,460.8	17.6	10.1	-145.67	423.7	190.2	618.2	596.8	21.38	28.914		
2,700.0	2,515.6	2,608.8	2,553.3	18.4	10.6	-145.80	443.6	200.0	648.7	626.4	22.35	29.026		
2,800.0	2,606.1	2,704.0	2,645.9	19.3	11.0	-145.91	463.6	209.9	679.3	656.0	23.32	29.128		
2,900.0	2,696.6	2,799.2	2,738.5	20.2	11.5	-146.01	483.5	219.7	709.9	685.6	24.29	29.221		
3,000.0	2,787.1	2,894.4	2,831.1	21.1	11.9	-146.11	503.4	229.5	740.4	715.2	25.27	29.306		
3,100.0	2,877.6	2,989.6	2,923.6	21.9	12.4	-146.20	523.3	239.4	771.0	744.8	26.24	29.384		
3,200.0	2,968.1	3,084.8	3,016.2	22.8	12.9	-146.28	543.3	249.2	801.6	774.4	27.21	29.456		
3,300.0	3,058.6	3,180.0	3,108.8	23.7	13.3	-146.35	563.2	259.0	832.2	804.0	28.19	29.523		
3,400.0	3,149.2	3,275.2	3,201.4	24.6	13.8	-146.42	583.1	268.8	862.8	833.6	29.16	29.585		
3,500.0	3,239.7	3,370.5	3,293.9	25.4	14.2	-146.49	603.0	278.7	893.4	863.2	30.14	29.643		
3,600.0	3,330.2	3,465.7	3,386.5	26.3	14.7	-146.55	623.0	288.5	923.9	892.8	31.11	29.697		
3,700.0	3,420.7	3,560.9	3,479.1	27.2	15.2	-146.60	642.9	298.3	954.5	922.4	32.09	29.747		
3,800.0	3,511.2	3,656.1	3,571.7	28.1	15.6	-146.66	662.8	308.2	985.1	952.0	33.06	29.795		

# Anticollision Report

<b>Company:</b>	Coachman Energy Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Federal 6/7-14-22
<b>Project:</b>	Garfield County, CO	<b>TVD Reference:</b>	DD @ 7073.0usft
<b>Reference Site:</b>	S22-T6S-R91W	<b>MD Reference:</b>	DD @ 7073.0usft
<b>Site Error:</b>	0.0usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Federal 6/7-14-22	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S22-T6S-R91W - Federal 2/3-14-22 - DD - Plan #1													Offset Site Error:	0.0 usft
Survey Program: 0-ISCSWA MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)						
0.0	0.0	0.0	0.0	0.0	0.0	-117.09	-7.6	-15.0	16.8					
100.0	100.0	100.0	100.0	0.1	0.1	-117.09	-7.6	-15.0	16.8	16.6	0.17	100.996		
200.0	200.0	200.0	200.0	0.3	0.3	-117.09	-7.6	-15.0	16.8	16.2	0.62	27.276 CC, ES		
300.0	300.0	300.0	300.0	0.5	0.5	174.04	-7.6	-15.0	19.4	18.3	1.13	17.146		
400.0	399.6	400.3	400.2	0.8	0.8	176.43	-7.1	-14.6	26.6	25.0	1.69	15.774		
500.0	498.8	501.2	501.1	1.1	1.0	-177.97	-2.9	-11.4	35.3	33.0	2.25	15.706 SF		
600.0	597.1	602.3	601.5	1.4	1.2	-171.00	5.7	-5.0	45.2	42.4	2.81	16.106		
700.0	694.3	702.9	700.9	1.9	1.5	-163.99	18.3	4.5	57.1	53.7	3.40	16.804		
800.0	790.2	801.4	797.9	2.4	1.9	-159.78	32.0	14.7	73.4	69.3	4.06	18.092		
900.0	884.4	899.1	894.1	3.0	2.2	-158.21	45.5	24.9	94.6	89.9	4.75	19.943		
1,000.0	976.8	995.7	989.2	3.8	2.6	-158.05	59.0	35.0	120.6	115.2	5.45	22.140		
1,038.9	1,012.2	1,032.8	1,025.8	4.1	2.7	-158.19	64.1	38.8	132.0	126.3	5.72	23.063		
1,100.0	1,067.5	1,091.1	1,083.2	4.6	2.9	-158.63	72.2	44.9	150.5	144.3	6.11	24.630		
1,200.0	1,158.0	1,186.4	1,177.1	5.4	3.3	-159.16	85.5	54.8	180.6	173.9	6.76	26.730		
1,300.0	1,248.5	1,281.8	1,271.0	6.3	3.6	-159.54	98.7	64.7	210.8	203.4	7.42	28.409		
1,400.0	1,339.0	1,377.1	1,364.9	7.1	4.0	-159.82	112.0	74.7	241.0	232.9	8.11	29.732		
1,500.0	1,429.5	1,472.4	1,458.7	8.0	4.4	-160.04	125.2	84.6	271.2	262.4	8.80	30.809		
1,600.0	1,520.0	1,567.7	1,552.6	8.9	4.7	-160.21	138.4	94.5	301.4	291.9	9.51	31.701		
1,700.0	1,610.5	1,663.1	1,646.5	9.7	5.1	-160.36	151.7	104.4	331.6	321.4	10.22	32.449		
1,800.0	1,701.0	1,758.4	1,740.4	10.6	5.5	-160.48	164.9	114.4	361.8	350.8	10.94	33.083		
1,900.0	1,791.5	1,853.7	1,834.3	11.5	5.8	-160.58	178.2	124.3	392.0	380.3	11.66	33.626		
2,000.0	1,882.0	1,949.1	1,928.1	12.3	6.2	-160.66	191.4	134.2	422.2	409.8	12.38	34.096		
2,100.0	1,972.6	2,044.4	2,022.0	13.2	6.6	-160.74	204.7	144.1	452.4	439.3	13.11	34.506		
2,200.0	2,063.1	2,139.7	2,115.9	14.1	6.9	-160.80	217.9	154.1	482.6	468.7	13.84	34.866		
2,300.0	2,153.6	2,235.0	2,209.8	15.0	7.3	-160.86	231.1	164.0	512.8	498.2	14.57	35.184		
2,400.0	2,244.1	2,330.4	2,303.7	15.8	7.7	-160.91	244.4	173.9	543.0	527.7	15.31	35.468		
2,500.0	2,334.6	2,425.7	2,397.6	16.7	8.0	-160.96	257.6	183.8	573.2	557.1	16.05	35.721		
2,600.0	2,425.1	2,521.0	2,491.4	17.6	8.4	-161.00	270.9	193.7	603.4	586.6	16.78	35.950		
2,700.0	2,515.6	2,616.4	2,585.3	18.4	8.8	-161.04	284.1	203.7	633.6	616.1	17.52	36.156		
2,800.0	2,606.1	2,711.7	2,679.2	19.3	9.1	-161.07	297.4	213.6	663.8	645.5	18.26	36.344		
2,900.0	2,696.6	2,807.0	2,773.1	20.2	9.5	-161.10	310.6	223.5	694.0	675.0	19.01	36.515		
3,000.0	2,787.1	2,902.3	2,867.0	21.1	9.9	-161.13	323.9	233.4	724.2	704.5	19.75	36.672		
3,100.0	2,877.6	2,997.7	2,960.8	21.9	10.3	-161.16	337.1	243.4	754.4	733.9	20.49	36.816		
3,200.0	2,968.1	3,093.0	3,054.7	22.8	10.6	-161.18	350.3	253.3	784.6	763.4	21.24	36.949		
3,300.0	3,058.6	3,188.3	3,148.6	23.7	11.0	-161.21	363.6	263.2	814.8	792.8	21.98	37.071		
3,400.0	3,149.2	3,283.7	3,242.5	24.6	11.4	-161.23	376.8	273.1	845.0	822.3	22.73	37.185		
3,500.0	3,239.7	3,379.0	3,336.4	25.4	11.7	-161.25	390.1	283.1	875.2	851.8	23.47	37.290		
3,600.0	3,330.2	3,474.3	3,430.2	26.3	12.1	-161.26	403.3	293.0	905.4	881.2	24.22	37.389		
3,700.0	3,420.7	3,569.6	3,524.1	27.2	12.5	-161.28	416.6	302.9	935.7	910.7	24.96	37.481		
3,800.0	3,511.2	3,665.0	3,618.0	28.1	12.8	-161.30	429.8	312.8	965.9	940.1	25.71	37.566		
3,900.0	3,601.7	3,760.3	3,711.9	28.9	13.2	-161.31	443.1	322.8	996.1	969.6	26.46	37.647		

# Anticollision Report

<b>Company:</b>	Coachman Energy Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Federal 6/7-14-22
<b>Project:</b>	Garfield County, CO	<b>TVD Reference:</b>	DD @ 7073.0usft
<b>Reference Site:</b>	S22-T6S-R91W	<b>MD Reference:</b>	DD @ 7073.0usft
<b>Site Error:</b>	0.0usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Federal 6/7-14-22	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S22-T6S-R91W - Federal 2/3-15-22 - DD - Plan #1													Offset Site Error:	0.0 usft
Survey Program: 0-ISCSWA MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)						
0.0	0.0	0.0	0.0	0.0	0.0	-146.99	-22.6	-14.7	26.9					
100.0	100.0	100.0	100.0	0.1	0.1	-146.99	-22.6	-14.7	26.9	26.8	0.17	161.927		
200.0	200.0	200.0	200.0	0.3	0.3	-146.99	-22.6	-14.7	26.9	26.3	0.62	43.732 CC, ES		
300.0	300.0	300.0	300.0	0.5	0.5	146.28	-22.6	-14.7	29.1	28.0	1.11	26.151		
400.0	399.6	401.4	401.3	0.8	0.8	152.20	-21.1	-12.4	33.3	31.6	1.65	20.163		
500.0	498.8	503.1	502.7	1.1	1.0	158.50	-16.7	-5.7	37.4	35.2	2.21	16.885		
600.0	597.1	603.5	602.3	1.4	1.3	165.09	-10.1	4.4	42.8	40.0	2.79	15.326 SF		
700.0	694.3	702.7	700.9	1.9	1.6	171.08	-3.4	14.6	53.5	50.2	3.38	15.821		
800.0	790.2	801.3	798.7	2.4	1.8	175.40	3.3	24.8	69.8	65.9	3.98	17.562		
900.0	884.4	898.8	895.5	3.0	2.1	178.19	9.8	34.8	91.5	86.9	4.57	20.023		
1,000.0	976.8	995.1	991.0	3.8	2.4	179.93	16.3	44.7	118.4	113.2	5.17	22.921		
1,038.9	1,012.2	1,032.1	1,027.7	4.1	2.6	-179.59	18.8	48.5	130.2	124.8	5.40	24.125		
1,100.0	1,067.5	1,090.1	1,085.3	4.6	2.7	-178.99	22.7	54.5	149.4	143.7	5.70	26.218		
1,200.0	1,158.0	1,185.0	1,179.5	5.4	3.0	-178.29	29.1	64.2	180.8	174.6	6.21	29.131		
1,300.0	1,248.5	1,279.9	1,273.7	6.3	3.3	-177.80	35.5	74.0	212.3	205.6	6.74	31.508		
1,400.0	1,339.0	1,374.8	1,367.9	7.1	3.6	-177.43	41.9	83.7	243.8	236.5	7.28	33.484		
1,500.0	1,429.5	1,469.8	1,462.1	8.0	3.9	-177.15	48.3	93.5	275.2	267.4	7.83	35.142		
1,600.0	1,520.0	1,564.7	1,556.3	8.9	4.2	-176.92	54.7	103.2	306.7	298.3	8.39	36.547		
1,700.0	1,610.5	1,659.6	1,650.5	9.7	4.5	-176.74	61.1	113.0	338.2	329.2	8.96	37.751		
1,800.0	1,701.0	1,754.5	1,744.7	10.6	4.8	-176.59	67.4	122.8	369.6	360.1	9.53	38.791		
1,900.0	1,791.5	1,849.4	1,838.9	11.5	5.1	-176.46	73.8	132.5	401.1	391.0	10.10	39.697		
2,000.0	1,882.0	1,944.3	1,933.0	12.3	5.4	-176.35	80.2	142.3	432.6	421.9	10.68	40.494		
2,100.0	1,972.6	2,039.2	2,027.2	13.2	5.7	-176.26	86.6	152.0	464.1	452.8	11.26	41.199		
2,200.0	2,063.1	2,134.1	2,121.4	14.1	6.0	-176.17	93.0	161.8	495.6	483.7	11.85	41.827		
2,300.0	2,153.6	2,229.1	2,215.6	15.0	6.3	-176.10	99.4	171.5	527.1	514.6	12.43	42.391		
2,400.0	2,244.1	2,324.0	2,309.8	15.8	6.6	-176.04	105.8	181.3	558.5	545.5	13.02	42.899		
2,500.0	2,334.6	2,418.9	2,404.0	16.7	6.9	-175.98	112.2	191.0	590.0	576.4	13.61	43.359		
2,600.0	2,425.1	2,513.8	2,498.2	17.6	7.2	-175.93	118.6	200.8	621.5	607.3	14.20	43.779		
2,700.0	2,515.6	2,608.7	2,592.4	18.4	7.5	-175.88	125.0	210.6	653.0	638.2	14.79	44.163		
2,800.0	2,606.1	2,703.6	2,686.6	19.3	7.8	-175.84	131.4	220.3	684.5	669.1	15.38	44.517		
2,900.0	2,696.6	2,798.5	2,780.8	20.2	8.1	-175.80	137.7	230.1	716.0	700.0	15.97	44.843		
3,000.0	2,787.1	2,893.4	2,875.0	21.1	8.4	-175.76	144.1	239.8	747.4	730.9	16.56	45.145		
3,100.0	2,877.6	2,988.4	2,969.2	21.9	8.7	-175.73	150.5	249.6	778.9	761.8	17.15	45.426		
3,200.0	2,968.1	3,083.3	3,063.4	22.8	9.0	-175.70	156.9	259.3	810.4	792.7	17.74	45.688		
3,300.0	3,058.6	3,178.2	3,157.6	23.7	9.3	-175.67	163.3	269.1	841.9	823.6	18.33	45.933		
3,400.0	3,149.2	3,273.1	3,251.8	24.6	9.6	-175.65	169.7	278.8	873.4	854.5	18.92	46.163		
3,500.0	3,239.7	3,368.0	3,345.9	25.4	9.9	-175.62	176.1	288.6	904.9	885.4	19.51	46.379		
3,600.0	3,330.2	3,462.9	3,440.1	26.3	10.2	-175.60	182.5	298.4	936.4	916.3	20.10	46.584		
3,700.0	3,420.7	3,557.8	3,534.3	27.2	10.5	-175.58	188.9	308.1	967.9	947.2	20.69	46.777		
3,800.0	3,511.2	3,652.7	3,628.5	28.1	10.9	-175.56	195.3	317.9	999.3	978.1	21.28	46.960		

# Anticollision Report

<b>Company:</b>	Coachman Energy Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Federal 6/7-14-22
<b>Project:</b>	Garfield County, CO	<b>TVD Reference:</b>	DD @ 7073.0usft
<b>Reference Site:</b>	S22-T6S-R91W	<b>MD Reference:</b>	DD @ 7073.0usft
<b>Site Error:</b>	0.0usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Federal 6/7-14-22	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S22-T6S-R91W - Federal 2/3-16-22 - DD - Plan #1													Offset Site Error:	0.0 usft
Survey Program: 0-ISCSWA MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)						
0.0	0.0	0.0	0.0	0.0	0.0	-159.57	-37.9	-14.1	40.4					
100.0	100.0	100.0	100.0	0.1	0.1	-159.57	-37.9	-14.1	40.4	40.3	0.17	243.051		
200.0	200.0	200.0	200.0	0.3	0.3	-159.57	-37.9	-14.1	40.4	39.8	0.62	65.642 CC, ES		
300.0	300.0	300.0	300.0	0.5	0.5	133.30	-37.9	-14.1	42.2	41.1	1.10	38.473		
400.0	399.6	400.4	400.4	0.8	0.7	138.22	-37.9	-12.3	47.1	45.4	1.62	29.135		
500.0	498.8	501.0	500.8	1.1	1.0	142.39	-37.9	-7.1	54.5	52.4	2.17	25.095		
600.0	597.1	601.6	601.0	1.4	1.2	145.56	-38.0	1.7	64.5	61.7	2.78	23.225		
700.0	694.3	700.6	699.5	1.9	1.5	148.76	-38.1	12.2	78.0	74.6	3.42	22.780 SF		
800.0	790.2	798.7	797.0	2.4	1.7	152.41	-38.1	22.6	96.2	92.1	4.09	23.504		
900.0	884.4	895.7	893.5	3.0	2.0	155.85	-38.2	32.8	119.4	114.6	4.77	25.049		
1,000.0	976.8	991.4	988.6	3.8	2.3	158.82	-38.3	42.9	147.6	142.1	5.43	27.159		
1,038.9	1,012.2	1,028.1	1,025.2	4.1	2.4	159.83	-38.3	46.8	159.9	154.2	5.69	28.092		
1,100.0	1,067.5	1,085.7	1,082.4	4.6	2.6	161.38	-38.3	52.9	179.9	173.9	6.04	29.811		
1,200.0	1,158.0	1,179.9	1,176.1	5.4	2.8	163.30	-38.4	62.8	212.9	206.3	6.60	32.246		
1,300.0	1,248.5	1,274.1	1,269.8	6.3	3.1	164.70	-38.5	72.8	246.0	238.9	7.17	34.294		
1,400.0	1,339.0	1,368.3	1,363.5	7.1	3.4	165.77	-38.5	82.7	279.3	271.5	7.75	36.012		
1,500.0	1,429.5	1,462.5	1,457.2	8.0	3.7	166.61	-38.6	92.7	312.6	304.2	8.34	37.473		
1,600.0	1,520.0	1,556.7	1,550.8	8.9	4.0	167.29	-38.7	102.6	345.9	337.0	8.93	38.726		
1,700.0	1,610.5	1,650.9	1,644.5	9.7	4.2	167.85	-38.7	112.6	379.3	369.8	9.53	39.808		
1,800.0	1,701.0	1,745.1	1,738.2	10.6	4.5	168.32	-38.8	122.5	412.7	402.6	10.13	40.750		
1,900.0	1,791.5	1,839.3	1,831.9	11.5	4.8	168.72	-38.9	132.5	446.1	435.4	10.73	41.578		
2,000.0	1,882.0	1,933.6	1,925.5	12.3	5.1	169.06	-39.0	142.4	479.6	468.2	11.33	42.309		
2,100.0	1,972.6	2,027.8	2,019.2	13.2	5.3	169.36	-39.0	152.4	513.0	501.1	11.94	42.960		
2,200.0	2,063.1	2,122.0	2,112.9	14.1	5.6	169.62	-39.1	162.3	546.5	533.9	12.55	43.543		
2,300.0	2,153.6	2,216.2	2,206.6	15.0	5.9	169.86	-39.2	172.2	580.0	566.8	13.16	44.067		
2,400.0	2,244.1	2,310.4	2,300.3	15.8	6.2	170.06	-39.2	182.2	613.5	599.7	13.77	44.543		
2,500.0	2,334.6	2,404.6	2,393.9	16.7	6.5	170.25	-39.3	192.1	647.0	632.6	14.38	44.975		
2,600.0	2,425.1	2,498.8	2,487.6	17.6	6.7	170.41	-39.4	202.1	680.5	665.5	15.00	45.371		
2,700.0	2,515.6	2,593.0	2,581.3	18.4	7.0	170.57	-39.4	212.0	714.0	698.3	15.61	45.734		
2,800.0	2,606.1	2,687.2	2,675.0	19.3	7.3	170.70	-39.5	222.0	747.5	731.2	16.23	46.069		
2,900.0	2,696.6	2,781.4	2,768.7	20.2	7.6	170.83	-39.6	231.9	781.0	764.1	16.84	46.379		
3,000.0	2,787.1	2,875.6	2,862.3	21.1	7.9	170.95	-39.6	241.9	814.5	797.0	17.45	46.666		
3,100.0	2,877.6	2,969.8	2,956.0	21.9	8.1	171.05	-39.7	251.8	848.0	829.9	18.07	46.935		
3,200.0	2,968.1	3,064.0	3,049.7	22.8	8.4	171.15	-39.8	261.8	881.5	862.8	18.68	47.185		
3,300.0	3,058.6	3,158.2	3,143.4	23.7	8.7	171.24	-39.8	271.7	915.0	895.7	19.30	47.420		
3,400.0	3,149.2	3,252.4	3,237.0	24.6	9.0	171.33	-39.9	281.7	948.6	928.7	19.91	47.642		
3,500.0	3,239.7	3,346.6	3,330.7	25.4	9.3	171.41	-40.0	291.6	982.1	961.6	20.52	47.850		

# Anticollision Report

<b>Company:</b>	Coachman Energy Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Federal 6/7-14-22
<b>Project:</b>	Garfield County, CO	<b>TVD Reference:</b>	DD @ 7073.0usft
<b>Reference Site:</b>	S22-T6S-R91W	<b>MD Reference:</b>	DD @ 7073.0usft
<b>Site Error:</b>	0.0usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Federal 6/7-14-22	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S22-T6S-R91W - Federal 6/7-13-22 - DD - Plan #1													Offset Site Error:	0.0 usft
Survey Program: 0-ISCWSA MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-1.08	14.9	-0.3	14.9					
100.0	100.0	100.0	100.0	0.1	0.1	-1.08	14.9	-0.3	14.9	14.8	0.17	89.809		
200.0	200.0	200.0	200.0	0.3	0.3	-1.08	14.9	-0.3	14.9	14.3	0.62	24.255		
300.0	300.0	299.8	299.8	0.5	0.5	-78.37	15.2	0.3	14.5	13.4	1.06	13.684		
313.2	313.1	313.0	312.9	0.6	0.6	-79.77	15.4	0.6	14.5	13.4	1.12	12.932 CC, ES		
400.0	399.6	399.6	399.4	0.8	0.8	-89.06	17.7	4.9	15.0	13.5	1.52	9.849		
500.0	498.8	499.5	498.8	1.1	1.0	-98.59	22.7	14.0	16.7	14.6	2.07	8.064		
600.0	597.1	599.5	597.5	1.4	1.3	-105.70	30.2	27.7	19.5	16.8	2.74	7.118		
700.0	694.3	699.6	695.5	1.9	1.7	-110.37	40.2	46.0	23.3	19.7	3.55	6.560		
800.0	790.2	799.8	792.2	2.4	2.2	-113.15	52.6	68.7	27.9	23.3	4.50	6.185		
900.0	884.4	900.1	887.6	3.0	2.8	-114.62	67.4	95.9	33.2	27.5	5.62	5.896		
1,000.0	976.8	1,000.5	981.3	3.8	3.4	-115.22	84.6	127.5	39.2	32.2	6.93	5.652		
1,038.9	1,012.2	1,039.5	1,017.2	4.1	3.7	-115.28	92.0	141.0	41.7	34.2	7.50	5.557		
1,100.0	1,067.5	1,101.0	1,073.1	4.6	4.2	-114.24	104.2	163.4	45.4	36.9	8.44	5.377		
1,200.0	1,158.0	1,201.1	1,162.5	5.4	5.1	-108.69	125.8	203.0	50.6	40.4	10.24	4.944		
1,300.0	1,248.5	1,300.8	1,251.0	6.3	6.0	-103.27	147.7	243.2	56.2	44.1	12.10	4.641		
1,400.0	1,339.0	1,400.5	1,339.6	7.1	6.9	-98.86	169.6	283.4	62.1	48.2	13.95	4.453		
1,500.0	1,429.5	1,500.2	1,428.2	8.0	7.8	-95.24	191.6	323.6	68.4	52.6	15.77	4.336		
1,600.0	1,520.0	1,600.0	1,516.8	8.9	8.7	-92.23	213.5	363.8	74.8	57.3	17.56	4.263		
1,700.0	1,610.5	1,699.7	1,605.4	9.7	9.7	-89.71	235.4	404.0	81.5	62.2	19.32	4.218		
1,800.0	1,701.0	1,799.4	1,694.0	10.6	10.6	-87.57	257.3	444.2	88.3	67.2	21.06	4.191		
1,900.0	1,791.5	1,899.1	1,782.6	11.5	11.5	-85.73	279.2	484.4	95.1	72.4	22.78	4.176		
2,000.0	1,882.0	1,998.8	1,871.2	12.3	12.4	-84.15	301.1	524.6	102.1	77.6	24.49	4.170		
2,100.0	1,972.6	2,098.6	1,959.7	13.2	13.4	-82.77	323.1	564.8	109.2	83.0	26.19	4.169		
2,200.0	2,063.1	2,198.3	2,048.3	14.1	14.3	-81.55	345.0	605.0	116.2	88.4	27.87	4.171		
2,300.0	2,153.6	2,298.0	2,136.9	15.0	15.2	-80.48	366.9	645.2	123.4	93.8	29.55	4.176		
2,400.0	2,244.1	2,397.7	2,225.5	15.8	16.2	-79.52	388.8	685.4	130.6	99.3	31.22	4.183		
2,500.0	2,334.6	2,497.4	2,314.1	16.7	17.1	-78.67	410.7	725.6	137.8	104.9	32.88	4.190		
2,600.0	2,425.1	2,597.2	2,402.7	17.6	18.0	-77.90	432.7	765.8	145.0	110.5	34.54	4.199		
2,700.0	2,515.6	2,696.9	2,491.3	18.4	19.0	-77.20	454.6	806.0	152.3	116.1	36.19	4.208		
2,800.0	2,606.1	2,796.6	2,579.9	19.3	19.9	-76.57	476.5	846.2	159.6	121.7	37.84	4.217		
2,900.0	2,696.6	2,896.3	2,668.4	20.2	20.8	-75.99	498.4	886.4	166.9	127.4	39.49	4.226		
3,000.0	2,787.1	2,996.0	2,757.0	21.1	21.8	-75.46	520.3	926.6	174.2	133.0	41.13	4.235		
3,100.0	2,877.6	3,095.8	2,845.6	21.9	22.7	-74.97	542.2	966.8	181.5	138.7	42.77	4.244		
3,200.0	2,968.1	3,195.5	2,934.2	22.8	23.6	-74.52	564.2	1,007.0	188.8	144.4	44.41	4.252		
3,300.0	3,058.6	3,295.2	3,022.8	23.7	24.6	-74.10	586.1	1,047.2	196.2	150.1	46.04	4.261		
3,400.0	3,149.2	3,394.9	3,111.4	24.6	25.5	-73.72	608.0	1,087.4	203.5	155.9	47.68	4.269		
3,500.0	3,239.7	3,494.6	3,200.0	25.4	26.4	-73.36	629.9	1,127.6	210.9	161.6	49.31	4.277		
3,600.0	3,330.2	3,594.4	3,288.6	26.3	27.4	-73.02	651.8	1,167.8	218.3	167.3	50.94	4.285		
3,700.0	3,420.7	3,694.1	3,377.1	27.2	28.3	-72.71	673.8	1,208.0	225.7	173.1	52.57	4.293		
3,800.0	3,511.2	3,793.8	3,465.7	28.1	29.2	-72.42	695.7	1,248.2	233.1	178.9	54.20	4.300		
3,900.0	3,601.7	3,893.5	3,554.3	28.9	30.2	-72.14	717.6	1,288.4	240.5	184.6	55.83	4.307		
4,000.0	3,692.2	3,993.2	3,642.9	29.8	31.1	-71.89	739.5	1,328.6	247.9	190.4	57.46	4.314		
4,100.0	3,782.7	4,093.0	3,731.5	30.7	32.0	-71.64	761.4	1,368.8	255.3	196.2	59.09	4.320		
4,200.0	3,873.2	4,192.7	3,820.1	31.6	33.0	-71.41	783.4	1,409.0	262.7	202.0	60.71	4.327		
4,300.0	3,963.7	4,292.4	3,908.7	32.4	33.9	-71.20	805.3	1,449.2	270.1	207.8	62.34	4.333		
4,400.0	4,054.2	4,392.1	3,997.3	33.3	34.8	-70.99	827.2	1,489.4	277.5	213.5	63.96	4.339		
4,500.0	4,144.7	4,491.8	4,085.8	34.2	35.8	-70.80	849.1	1,529.6	284.9	219.3	65.58	4.344		
4,600.0	4,235.2	4,591.6	4,174.4	35.1	36.7	-70.61	871.0	1,569.8	292.4	225.1	67.21	4.350		
4,669.1	4,297.8	4,660.7	4,235.9	35.7	37.3	-70.49	886.2	1,597.6	297.5	229.2	68.33	4.354		
4,700.0	4,325.9	4,693.9	4,265.5	35.9	37.6	-70.50	893.4	1,610.7	299.7	230.9	68.80	4.356		
4,800.0	4,418.1	4,801.4	4,363.2	36.5	38.4	-70.55	914.8	1,650.1	306.4	236.3	70.07	4.373		

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

# Anticollision Report

<b>Company:</b>	Coachman Energy Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Federal 6/7-14-22
<b>Project:</b>	Garfield County, CO	<b>TVD Reference:</b>	DD @ 7073.0usft
<b>Reference Site:</b>	S22-T6S-R91W	<b>MD Reference:</b>	DD @ 7073.0usft
<b>Site Error:</b>	0.0usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Federal 6/7-14-22	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S22-T6S-R91W - Federal 6/7-13-22 - DD - Plan #1													Offset Site Error:	0.0 usft
Survey Program: 0-ISCSWA MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)						
4,900.0	4,512.2	4,909.3	4,463.6	37.1	39.0	-70.60	933.7	1,684.6	312.3	241.1	71.17	4.387		
5,000.0	4,607.9	5,017.3	4,566.3	37.6	39.6	-70.63	949.8	1,714.2	317.3	245.2	72.11	4.400		
5,100.0	4,705.1	5,125.6	4,670.9	38.0	40.0	-70.67	963.1	1,738.7	321.4	248.5	72.89	4.410		
5,200.0	4,803.3	5,234.0	4,777.1	38.3	40.4	-70.69	973.6	1,757.9	324.7	251.2	73.50	4.417		
5,300.0	4,902.4	5,342.6	4,884.5	38.5	40.7	-70.71	981.2	1,771.8	327.0	253.1	73.95	4.422		
5,400.0	5,002.0	5,451.2	4,992.7	38.7	40.9	-70.72	985.9	1,780.4	328.4	254.2	74.25	4.423		
5,508.0	5,110.0	5,568.7	5,110.0	38.8	41.0	-0.94	987.6	1,783.6	329.0	254.6	74.41	4.421		
5,600.0	5,202.0	5,660.6	5,202.0	38.9	41.1	-0.94	987.6	1,783.6	329.0	254.5	74.52	4.414		
5,700.0	5,302.0	5,760.6	5,302.0	38.9	41.1	-0.94	987.6	1,783.6	329.0	254.3	74.66	4.406		
5,800.0	5,402.0	5,860.6	5,402.0	39.0	41.2	-0.94	987.6	1,783.6	329.0	254.2	74.79	4.398		
5,900.0	5,502.0	5,960.6	5,502.0	39.1	41.2	-0.94	987.6	1,783.6	329.0	254.0	74.93	4.390		
6,000.0	5,602.0	6,060.6	5,602.0	39.1	41.3	-0.94	987.6	1,783.6	329.0	253.9	75.07	4.382		
6,100.0	5,702.0	6,160.6	5,702.0	39.2	41.4	-0.94	987.6	1,783.6	329.0	253.8	75.22	4.374		
6,200.0	5,802.0	6,260.6	5,802.0	39.3	41.4	-0.94	987.6	1,783.6	329.0	253.6	75.37	4.365		
6,300.0	5,902.0	6,360.6	5,902.0	39.3	41.5	-0.94	987.6	1,783.6	329.0	253.5	75.51	4.357		
6,400.0	6,002.0	6,460.6	6,002.0	39.4	41.6	-0.94	987.6	1,783.6	329.0	253.3	75.66	4.348		
6,500.0	6,102.0	6,560.6	6,102.0	39.5	41.6	-0.94	987.6	1,783.6	329.0	253.2	75.82	4.339		
6,600.0	6,202.0	6,660.6	6,202.0	39.6	41.7	-0.94	987.6	1,783.6	329.0	253.0	75.97	4.330		
6,700.0	6,302.0	6,760.6	6,302.0	39.6	41.8	-0.94	987.6	1,783.6	329.0	252.8	76.13	4.321		
6,800.0	6,402.0	6,860.6	6,402.0	39.7	41.9	-0.94	987.6	1,783.6	329.0	252.7	76.29	4.312		
6,900.0	6,502.0	6,960.6	6,502.0	39.8	41.9	-0.94	987.6	1,783.6	329.0	252.5	76.45	4.303		
7,000.0	6,602.0	7,060.6	6,602.0	39.9	42.0	-0.94	987.6	1,783.6	329.0	252.4	76.62	4.294		
7,100.0	6,702.0	7,160.6	6,702.0	39.9	42.1	-0.94	987.6	1,783.6	329.0	252.2	76.79	4.284		
7,200.0	6,802.0	7,260.6	6,802.0	40.0	42.2	-0.94	987.6	1,783.6	329.0	252.0	76.96	4.275		
7,300.0	6,902.0	7,360.6	6,902.0	40.1	42.2	-0.94	987.6	1,783.6	329.0	251.9	77.13	4.265		
7,400.0	7,002.0	7,460.6	7,002.0	40.2	42.3	-0.94	987.6	1,783.6	329.0	251.7	77.30	4.256		
7,500.0	7,102.0	7,560.6	7,102.0	40.3	42.4	-0.94	987.6	1,783.6	329.0	251.5	77.48	4.246		
7,600.0	7,202.0	7,660.6	7,202.0	40.4	42.5	-0.94	987.6	1,783.6	329.0	251.3	77.66	4.236		
7,700.0	7,302.0	7,760.6	7,302.0	40.5	42.6	-0.94	987.6	1,783.6	329.0	251.1	77.84	4.226		
7,800.0	7,402.0	7,860.6	7,402.0	40.5	42.6	-0.94	987.6	1,783.6	329.0	251.0	78.02	4.217		
7,900.0	7,502.0	7,960.6	7,502.0	40.6	42.7	-0.94	987.6	1,783.6	329.0	250.8	78.21	4.207		
8,000.0	7,602.0	8,060.6	7,602.0	40.7	42.8	-0.94	987.6	1,783.6	329.0	250.6	78.39	4.197		
8,100.0	7,702.0	8,160.6	7,702.0	40.8	42.9	-0.94	987.6	1,783.6	329.0	250.4	78.58	4.186		
8,200.0	7,802.0	8,260.6	7,802.0	40.9	43.0	-0.94	987.6	1,783.6	329.0	250.2	78.77	4.176		
8,300.0	7,902.0	8,360.6	7,902.0	41.0	43.1	-0.94	987.6	1,783.6	329.0	250.0	78.97	4.166		
8,400.0	8,002.0	8,460.6	8,002.0	41.1	43.2	-0.94	987.6	1,783.6	329.0	249.8	79.16	4.156		
8,473.0	8,075.0	8,533.7	8,075.0	41.2	43.2	-0.94	987.6	1,783.6	329.0	249.7	79.31	4.148 SF		

# Anticollision Report

<b>Company:</b>	Coachman Energy Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Federal 6/7-14-22
<b>Project:</b>	Garfield County, CO	<b>TVD Reference:</b>	DD @ 7073.0usft
<b>Reference Site:</b>	S22-T6S-R91W	<b>MD Reference:</b>	DD @ 7073.0usft
<b>Site Error:</b>	0.0usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Federal 6/7-14-22	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S22-T6S-R91W - Federal 6/7-15-22 - DD - Plan #1													Offset Site Error:	0.0 usft
Survey Program: 0-ISCWSA MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Distance		Total		Separation		Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Uncertainty Axis	Factor		
0.0	0.0	0.0	0.0	0.0	0.0	178.92	-14.9	0.3	14.9					
100.0	100.0	100.0	100.0	0.1	0.1	178.92	-14.9	0.3	14.9	14.8	0.17	89.809		
200.0	200.0	200.0	200.0	0.3	0.3	178.92	-14.9	0.3	14.9	14.3	0.62	24.255 CC, ES		
300.0	300.0	300.1	300.1	0.5	0.5	115.76	-14.8	0.9	15.8	14.7	1.07	14.750		
400.0	399.6	400.3	400.2	0.8	0.8	122.30	-13.8	6.1	17.8	16.3	1.57	11.389		
500.0	498.8	500.7	500.0	1.1	1.0	126.10	-11.8	16.4	20.8	18.6	2.14	9.722		
600.0	597.1	601.2	599.2	1.4	1.3	127.76	-8.9	31.9	24.5	21.7	2.80	8.751		
700.0	694.3	701.8	697.6	1.9	1.7	127.96	-4.9	52.5	28.9	25.3	3.57	8.085		
800.0	790.2	802.4	794.8	2.4	2.2	127.24	0.0	78.2	33.9	29.5	4.49	7.560		
900.0	884.4	903.2	890.5	3.0	2.8	125.99	5.9	108.9	39.7	34.1	5.58	7.110		
1,000.0	976.8	1,004.0	984.5	3.8	3.5	124.45	12.8	144.5	46.1	39.3	6.87	6.712		
1,038.9	1,012.2	1,043.2	1,020.6	4.1	3.8	123.81	15.7	159.7	48.8	41.4	7.43	6.568		
1,100.0	1,067.5	1,104.4	1,076.3	4.6	4.3	122.48	20.4	184.4	52.9	44.6	8.35	6.334		
1,200.0	1,158.0	1,204.1	1,167.2	5.4	5.1	120.58	28.2	224.8	59.6	49.7	9.92	6.009		
1,300.0	1,248.5	1,303.9	1,258.1	6.3	5.9	119.06	36.0	265.2	66.4	54.8	11.53	5.757		
1,400.0	1,339.0	1,403.6	1,349.0	7.1	6.8	117.82	43.7	305.6	73.2	60.0	13.16	5.559		
1,500.0	1,429.5	1,503.4	1,439.9	8.0	7.6	116.80	51.5	346.0	80.0	65.2	14.81	5.401		
1,600.0	1,520.0	1,603.1	1,530.7	8.9	8.4	115.93	59.2	386.4	86.8	70.4	16.47	5.272		
1,700.0	1,610.5	1,702.9	1,621.6	9.7	9.3	115.19	67.0	426.8	93.7	75.6	18.14	5.165		
1,800.0	1,701.0	1,802.7	1,712.5	10.6	10.1	114.56	74.8	467.2	100.6	80.8	19.81	5.076		
1,900.0	1,791.5	1,902.4	1,803.4	11.5	11.0	114.00	82.5	507.6	107.5	86.0	21.49	5.000		
2,000.0	1,882.0	2,002.2	1,894.3	12.3	11.8	113.51	90.3	548.0	114.4	91.2	23.17	4.935		
2,100.0	1,972.6	2,101.9	1,985.1	13.2	12.7	113.08	98.1	588.4	121.3	96.4	24.86	4.878		
2,200.0	2,063.1	2,201.7	2,076.0	14.1	13.5	112.69	105.8	628.8	128.2	101.6	26.54	4.829		
2,300.0	2,153.6	2,301.4	2,166.9	15.0	14.4	112.34	113.6	669.2	135.1	106.8	28.23	4.785		
2,400.0	2,244.1	2,401.2	2,257.8	15.8	15.2	112.03	121.3	709.6	142.0	112.1	29.92	4.746		
2,500.0	2,334.6	2,501.0	2,348.7	16.7	16.1	111.75	129.1	750.0	148.9	117.3	31.61	4.712		
2,600.0	2,425.1	2,600.7	2,439.5	17.6	16.9	111.49	136.9	790.4	155.8	122.5	33.30	4.681		
2,700.0	2,515.6	2,700.5	2,530.4	18.4	17.8	111.25	144.6	830.8	162.8	127.8	34.99	4.652		
2,800.0	2,606.1	2,800.2	2,621.3	19.3	18.6	111.03	152.4	871.2	169.7	133.0	36.68	4.627		
2,900.0	2,696.6	2,900.0	2,712.2	20.2	19.5	110.83	160.1	911.6	176.6	138.3	38.37	4.603		
3,000.0	2,787.1	2,999.8	2,803.1	21.1	20.3	110.65	167.9	952.0	183.6	143.5	40.07	4.582		
3,100.0	2,877.6	3,099.5	2,893.9	21.9	21.2	110.48	175.7	992.4	190.5	148.7	41.76	4.562		
3,200.0	2,968.1	3,199.3	2,984.8	22.8	22.0	110.32	183.4	1,032.8	197.4	154.0	43.46	4.543		
3,300.0	3,058.6	3,299.0	3,075.7	23.7	22.9	110.17	191.2	1,073.2	204.4	159.2	45.15	4.527		
3,400.0	3,149.2	3,398.8	3,166.6	24.6	23.7	110.03	199.0	1,113.6	211.3	164.5	46.85	4.511		
3,500.0	3,239.7	3,498.5	3,257.5	25.4	24.6	109.90	206.7	1,154.0	218.3	169.7	48.54	4.496		
3,600.0	3,330.2	3,598.3	3,348.3	26.3	25.5	109.78	214.5	1,194.4	225.2	175.0	50.24	4.483		
3,700.0	3,420.7	3,698.1	3,439.2	27.2	26.3	109.66	222.2	1,234.8	232.2	180.2	51.93	4.470		
3,800.0	3,511.2	3,797.8	3,530.1	28.1	27.2	109.55	230.0	1,275.2	239.1	185.5	53.63	4.458		
3,900.0	3,601.7	3,897.6	3,621.0	28.9	28.0	109.45	237.8	1,315.6	246.0	190.7	55.33	4.447		
4,000.0	3,692.2	3,997.3	3,711.9	29.8	28.9	109.35	245.5	1,356.0	253.0	196.0	57.02	4.437		
4,100.0	3,782.7	4,097.1	3,802.7	30.7	29.7	109.26	253.3	1,396.4	259.9	201.2	58.72	4.427		
4,200.0	3,873.2	4,196.8	3,893.6	31.6	30.6	109.18	261.1	1,436.8	266.9	206.5	60.42	4.417		
4,300.0	3,963.7	4,296.6	3,984.5	32.4	31.4	109.09	268.8	1,477.2	273.8	211.7	62.11	4.409		
4,400.0	4,054.2	4,396.4	4,075.4	33.3	32.3	109.01	276.6	1,517.6	280.8	217.0	63.81	4.400		
4,500.0	4,144.7	4,496.1	4,166.3	34.2	33.1	108.94	284.3	1,558.0	287.7	222.2	65.51	4.392		
4,600.0	4,235.2	4,595.9	4,257.1	35.1	34.0	108.87	292.1	1,598.4	294.7	227.5	67.21	4.385		
4,669.1	4,297.8	4,664.9	4,320.0	35.7	34.6	108.82	297.5	1,626.4	299.5	231.1	68.38	4.380		
4,700.0	4,325.9	4,694.9	4,347.4	35.9	34.8	108.86	299.8	1,638.3	301.6	232.7	68.84	4.381		
4,800.0	4,418.1	4,791.9	4,437.3	36.5	35.4	108.95	306.6	1,674.2	307.9	237.8	70.07	4.394		
4,900.0	4,512.2	4,889.0	4,529.0	37.1	36.0	109.04	312.7	1,705.5	313.4	242.2	71.14	4.405		

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



# Anticollision Report

<b>Company:</b>	Coachman Energy Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Federal 6/7-14-22
<b>Project:</b>	Garfield County, CO	<b>TVD Reference:</b>	DD @ 7073.0usft
<b>Reference Site:</b>	S22-T6S-R91W	<b>MD Reference:</b>	DD @ 7073.0usft
<b>Site Error:</b>	0.0usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Federal 6/7-14-22	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S22-T6S-R91W - Federal 6/7-15-22 - DD - Plan #1													Offset Site Error:	0.0 usft
Survey Program: 0-ISCSWA MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)						
5,000.0	4,607.9	4,986.0	4,622.2	37.6	36.4	109.11	317.8	1,732.1	318.1	246.0	72.05	4.414		
5,100.0	4,705.1	5,083.1	4,716.6	38.0	36.8	109.17	322.0	1,754.1	321.9	249.1	72.80	4.422		
5,200.0	4,803.3	5,180.2	4,812.1	38.3	37.1	109.21	325.3	1,771.4	325.0	251.6	73.40	4.427		
5,300.0	4,902.4	5,277.3	4,908.3	38.5	37.3	109.25	327.7	1,783.9	327.1	253.3	73.84	4.430		
5,400.0	5,002.0	5,374.4	5,005.1	38.7	37.5	109.27	329.2	1,791.5	328.5	254.3	74.14	4.431		
5,508.0	5,110.0	5,479.3	5,110.0	38.8	37.6	179.06	329.7	1,794.3	329.0	254.7	74.31	4.427		
5,600.0	5,202.0	5,571.3	5,202.0	38.9	37.6	179.06	329.7	1,794.3	329.0	254.6	74.42	4.421		
5,700.0	5,302.0	5,671.3	5,302.0	38.9	37.7	179.06	329.7	1,794.3	329.0	254.4	74.56	4.413		
5,800.0	5,402.0	5,771.3	5,402.0	39.0	37.8	179.06	329.7	1,794.3	329.0	254.3	74.69	4.404		
5,900.0	5,502.0	5,871.3	5,502.0	39.1	37.8	179.06	329.7	1,794.3	329.0	254.1	74.83	4.396		
6,000.0	5,602.0	5,971.3	5,602.0	39.1	37.9	179.06	329.7	1,794.3	329.0	254.0	74.98	4.388		
6,100.0	5,702.0	6,071.3	5,702.0	39.2	38.0	179.06	329.7	1,794.3	329.0	253.9	75.12	4.379		
6,200.0	5,802.0	6,171.3	5,802.0	39.3	38.1	179.06	329.7	1,794.3	329.0	253.7	75.27	4.371		
6,300.0	5,902.0	6,271.3	5,902.0	39.3	38.1	179.06	329.7	1,794.3	329.0	253.6	75.42	4.362		
6,400.0	6,002.0	6,371.3	6,002.0	39.4	38.2	179.06	329.7	1,794.3	329.0	253.4	75.57	4.353		
6,500.0	6,102.0	6,471.3	6,102.0	39.5	38.3	179.06	329.7	1,794.3	329.0	253.3	75.72	4.345		
6,600.0	6,202.0	6,571.3	6,202.0	39.6	38.4	179.06	329.7	1,794.3	329.0	253.1	75.88	4.336		
6,700.0	6,302.0	6,671.3	6,302.0	39.6	38.4	179.06	329.7	1,794.3	329.0	252.9	76.04	4.327		
6,800.0	6,402.0	6,771.3	6,402.0	39.7	38.5	179.06	329.7	1,794.3	329.0	252.8	76.20	4.317		
6,900.0	6,502.0	6,871.3	6,502.0	39.8	38.6	179.06	329.7	1,794.3	329.0	252.6	76.36	4.308		
7,000.0	6,602.0	6,971.3	6,602.0	39.9	38.7	179.06	329.7	1,794.3	329.0	252.5	76.53	4.299		
7,100.0	6,702.0	7,071.3	6,702.0	39.9	38.8	179.06	329.7	1,794.3	329.0	252.3	76.70	4.289		
7,200.0	6,802.0	7,171.3	6,802.0	40.0	38.8	179.06	329.7	1,794.3	329.0	252.1	76.87	4.280		
7,300.0	6,902.0	7,271.3	6,902.0	40.1	38.9	179.06	329.7	1,794.3	329.0	251.9	77.04	4.270		
7,400.0	7,002.0	7,371.3	7,002.0	40.2	39.0	179.06	329.7	1,794.3	329.0	251.8	77.21	4.261		
7,500.0	7,102.0	7,471.3	7,102.0	40.3	39.1	179.06	329.7	1,794.3	329.0	251.6	77.39	4.251		
7,600.0	7,202.0	7,571.3	7,202.0	40.4	39.2	179.06	329.7	1,794.3	329.0	251.4	77.57	4.241		
7,700.0	7,302.0	7,671.3	7,302.0	40.5	39.3	179.06	329.7	1,794.3	329.0	251.2	77.75	4.231		
7,800.0	7,402.0	7,771.3	7,402.0	40.5	39.4	179.06	329.7	1,794.3	329.0	251.0	77.93	4.221		
7,900.0	7,502.0	7,871.3	7,502.0	40.6	39.5	179.06	329.7	1,794.3	329.0	250.9	78.12	4.211		
8,000.0	7,602.0	7,971.3	7,602.0	40.7	39.6	179.06	329.7	1,794.3	329.0	250.7	78.31	4.201		
8,100.0	7,702.0	8,071.3	7,702.0	40.8	39.7	179.06	329.7	1,794.3	329.0	250.5	78.50	4.191		
8,200.0	7,802.0	8,171.3	7,802.0	40.9	39.8	179.06	329.7	1,794.3	329.0	250.3	78.69	4.181		
8,300.0	7,902.0	8,271.3	7,902.0	41.0	39.8	179.06	329.7	1,794.3	329.0	250.1	78.88	4.170		
8,400.0	8,002.0	8,371.3	8,002.0	41.1	39.9	179.06	329.7	1,794.3	329.0	249.9	79.08	4.160		
8,448.7	8,050.7	8,420.0	8,050.7	41.1	40.0	179.06	329.7	1,794.3	329.0	249.8	79.18	4.155		
8,473.0	8,075.0	8,444.3	8,075.0	41.2	40.0	179.06	329.7	1,794.3	329.0	249.8	79.23	4.152 SF		

# Anticollision Report

<b>Company:</b>	Coachman Energy Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Federal 6/7-14-22
<b>Project:</b>	Garfield County, CO	<b>TVD Reference:</b>	DD @ 7073.0usft
<b>Reference Site:</b>	S22-T6S-R91W	<b>MD Reference:</b>	DD @ 7073.0usft
<b>Site Error:</b>	0.0usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Federal 6/7-14-22	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S22-T6S-R91W - Federal 6/7-16-22 - DD - Plan #1													Offset Site Error:	0.0 usft
Survey Program: 0-ISCWSA MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance				Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference  (usft)	Offset  (usft)	Highside Toolface (")	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
0.0	0.0	0.0	0.0	0.0	0.0	178.92	-29.9	0.6	29.9					
100.0	100.0	100.0	100.0	0.1	0.1	178.92	-29.9	0.6	29.9	29.7	0.17	179.619		
200.0	200.0	200.0	200.0	0.3	0.3	178.92	-29.9	0.6	29.9	29.3	0.62	48.510	CC, ES	
300.0	300.0	300.0	299.9	0.5	0.5	108.84	-29.8	3.2	30.7	29.7	1.06	28.972		
400.0	399.6	399.9	399.6	0.8	0.8	108.04	-29.7	11.0	33.3	31.8	1.55	21.523		
500.0	498.8	499.8	498.6	1.1	1.1	106.96	-29.5	24.0	37.6	35.5	2.13	17.648		
600.0	597.1	599.5	596.6	1.4	1.4	105.78	-29.2	42.2	43.7	40.8	2.85	15.324		
700.0	694.3	699.0	693.4	1.9	1.9	104.64	-28.8	65.4	51.4	47.7	3.73	13.791		
800.0	790.2	798.4	788.6	2.4	2.4	103.61	-28.3	93.5	60.9	56.1	4.79	12.714		
900.0	884.4	897.5	882.1	3.0	3.0	102.69	-27.7	126.5	72.0	65.9	6.04	11.922		
1,000.0	976.8	996.3	973.4	3.8	3.8	101.90	-27.1	164.1	84.7	77.2	7.48	11.320		
1,038.9	1,012.2	1,034.8	1,008.7	4.1	4.1	101.96	-26.8	179.6	90.0	81.9	8.09	11.123		
1,100.0	1,067.5	1,095.3	1,064.1	4.6	4.6	102.62	-26.4	203.8	98.5	89.5	9.07	10.862		
1,200.0	1,158.0	1,194.3	1,154.8	5.4	5.4	103.49	-25.7	243.5	112.5	101.8	10.69	10.522		
1,300.0	1,248.5	1,293.3	1,245.5	6.3	6.2	104.16	-25.1	283.2	126.4	114.1	12.32	10.263		
1,400.0	1,339.0	1,392.3	1,336.3	7.1	7.0	104.70	-24.4	322.9	140.4	126.4	13.95	10.059		
1,500.0	1,429.5	1,491.4	1,427.0	8.0	7.8	105.14	-23.7	362.6	154.3	138.7	15.60	9.895		
1,600.0	1,520.0	1,590.4	1,517.7	8.9	8.6	105.51	-23.0	402.3	168.3	151.1	17.24	9.761		
1,700.0	1,610.5	1,689.4	1,608.4	9.7	9.4	105.82	-22.3	442.0	182.3	163.4	18.89	9.649		
1,800.0	1,701.0	1,788.4	1,699.1	10.6	10.3	106.09	-21.7	481.7	196.3	175.8	20.54	9.555		
1,900.0	1,791.5	1,887.4	1,789.8	11.5	11.1	106.32	-21.0	521.4	210.3	188.1	22.20	9.474		
2,000.0	1,882.0	1,986.4	1,880.5	12.3	11.9	106.52	-20.3	561.1	224.3	200.4	23.85	9.405		
2,100.0	1,972.6	2,085.4	1,971.2	13.2	12.7	106.70	-19.6	600.8	238.3	212.8	25.50	9.344		
2,200.0	2,063.1	2,184.4	2,061.9	14.1	13.6	106.86	-19.0	640.5	252.3	225.1	27.16	9.290		
2,300.0	2,153.6	2,283.5	2,152.6	15.0	14.4	107.00	-18.3	680.2	266.3	237.5	28.81	9.243		
2,400.0	2,244.1	2,382.5	2,243.3	15.8	15.2	107.13	-17.6	719.8	280.3	249.8	30.47	9.201		
2,500.0	2,334.6	2,481.5	2,334.0	16.7	16.1	107.24	-16.9	759.5	294.3	262.2	32.12	9.163		
2,600.0	2,425.1	2,580.5	2,424.7	17.6	16.9	107.35	-16.3	799.2	308.3	274.6	33.78	9.129		
2,700.0	2,515.6	2,679.5	2,515.4	18.4	17.7	107.45	-15.6	838.9	322.3	286.9	35.43	9.098		
2,800.0	2,606.1	2,778.5	2,606.1	19.3	18.5	107.53	-14.9	878.6	336.3	299.3	37.09	9.069		
2,900.0	2,696.6	2,877.5	2,696.8	20.2	19.4	107.62	-14.2	918.3	350.4	311.6	38.74	9.044		
3,000.0	2,787.1	2,976.5	2,787.5	21.1	20.2	107.69	-13.5	958.0	364.4	324.0	40.40	9.020		
3,100.0	2,877.6	3,075.6	2,878.2	21.9	21.0	107.76	-12.9	997.7	378.4	336.3	42.05	8.998		
3,200.0	2,968.1	3,174.6	2,968.9	22.8	21.8	107.82	-12.2	1,037.4	392.4	348.7	43.70	8.978		
3,300.0	3,058.6	3,273.6	3,059.7	23.7	22.7	107.88	-11.5	1,077.1	406.4	361.0	45.36	8.960		
3,400.0	3,149.2	3,372.6	3,150.4	24.6	23.5	107.94	-10.8	1,116.8	420.4	373.4	47.01	8.943		
3,500.0	3,239.7	3,471.6	3,241.1	25.4	24.3	107.99	-10.2	1,156.5	434.4	385.8	48.67	8.927		
3,600.0	3,330.2	3,570.6	3,331.8	26.3	25.2	108.04	-9.5	1,196.2	448.4	398.1	50.32	8.912		
3,700.0	3,420.7	3,669.6	3,422.5	27.2	26.0	108.09	-8.8	1,235.9	462.5	410.5	51.97	8.898		
3,800.0	3,511.2	3,768.6	3,513.2	28.1	26.8	108.13	-8.1	1,275.6	476.5	422.9	53.63	8.885		
3,900.0	3,601.7	3,867.7	3,603.9	28.9	27.7	108.17	-7.5	1,315.2	490.5	435.2	55.28	8.873		
4,000.0	3,692.2	3,966.7	3,694.6	29.8	28.5	108.21	-6.8	1,354.9	504.5	447.6	56.93	8.862		
4,100.0	3,782.7	4,065.7	3,785.3	30.7	29.3	108.25	-6.1	1,394.6	518.5	459.9	58.58	8.851		
4,200.0	3,873.2	4,164.7	3,876.0	31.6	30.1	108.28	-5.4	1,434.3	532.5	472.3	60.24	8.840		
4,300.0	3,963.7	4,263.7	3,966.7	32.4	31.0	108.31	-4.7	1,474.0	546.6	484.7	61.90	8.830		
4,400.0	4,054.2	4,362.7	4,057.4	33.3	31.8	108.35	-4.1	1,513.7	560.6	497.0	63.55	8.820		
4,500.0	4,144.7	4,461.7	4,148.1	34.2	32.6	108.38	-3.4	1,553.4	574.6	509.4	65.21	8.811		
4,600.0	4,235.2	4,560.7	4,238.8	35.1	33.5	108.40	-2.7	1,593.1	588.6	521.7	66.87	8.802		
4,669.1	4,297.8	4,629.2	4,301.5	35.7	34.0	108.42	-2.2	1,620.6	598.3	530.3	68.02	8.796		
4,700.0	4,325.9	4,659.8	4,329.5	35.9	34.3	108.53	-2.0	1,632.8	602.5	534.0	68.51	8.795		
4,800.0	4,418.1	4,758.6	4,420.8	36.5	35.0	108.71	-1.4	1,670.8	615.3	545.4	69.84	8.810		
4,900.0	4,512.2	4,857.6	4,514.0	37.1	35.5	108.87	-0.8	1,704.1	626.4	555.4	70.97	8.826		

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

# Anticollision Report

<b>Company:</b>	Coachman Energy Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Federal 6/7-14-22
<b>Project:</b>	Garfield County, CO	<b>TVD Reference:</b>	DD @ 7073.0usft
<b>Reference Site:</b>	S22-T6S-R91W	<b>MD Reference:</b>	DD @ 7073.0usft
<b>Site Error:</b>	0.0usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Federal 6/7-14-22	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S22-T6S-R91W - Federal 6/7-16-22 - DD - Plan #1												Offset Site Error:	0.0 usft
Survey Program: 0-ISCSWA MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)					
5,000.0	4,607.9	4,956.9	4,609.1	37.6	36.0	109.00	-0.3	1,732.6	635.8	563.9	71.94	8.839	
5,100.0	4,705.1	5,056.4	4,705.7	38.0	36.4	109.10	0.1	1,756.2	643.7	570.9	72.74	8.849	
5,200.0	4,803.3	5,156.0	4,803.6	38.3	36.7	109.19	0.4	1,774.7	649.8	576.4	73.37	8.856	
5,300.0	4,902.4	5,255.9	4,902.5	38.5	37.0	109.25	0.6	1,788.2	654.2	580.4	73.85	8.859	
5,400.0	5,002.0	5,355.8	5,002.1	38.7	37.1	109.29	0.7	1,796.4	656.9	582.8	74.17	8.857	
5,508.0	5,110.0	5,463.7	5,110.0	38.8	37.2	179.09	0.8	1,799.5	658.0	583.6	74.36	8.849	
5,600.0	5,202.0	5,555.7	5,202.0	38.9	37.3	179.09	0.8	1,799.5	658.0	583.5	74.47	8.835	
5,700.0	5,302.0	5,655.7	5,302.0	38.9	37.4	179.09	0.8	1,799.5	658.0	583.3	74.60	8.819	
5,800.0	5,402.0	5,755.7	5,402.0	39.0	37.4	179.09	0.8	1,799.5	658.0	583.2	74.74	8.803	
5,900.0	5,502.0	5,855.7	5,502.0	39.1	37.5	179.09	0.8	1,799.5	658.0	583.1	74.88	8.787	
6,000.0	5,602.0	5,955.7	5,602.0	39.1	37.6	179.09	0.8	1,799.5	658.0	582.9	75.02	8.770	
6,100.0	5,702.0	6,055.7	5,702.0	39.2	37.6	179.09	0.8	1,799.5	658.0	582.8	75.17	8.753	
6,200.0	5,802.0	6,155.7	5,802.0	39.3	37.7	179.09	0.8	1,799.5	658.0	582.6	75.31	8.736	
6,300.0	5,902.0	6,255.7	5,902.0	39.3	37.8	179.09	0.8	1,799.5	658.0	582.5	75.46	8.719	
6,400.0	6,002.0	6,355.7	6,002.0	39.4	37.9	179.09	0.8	1,799.5	658.0	582.3	75.61	8.702	
6,500.0	6,102.0	6,455.7	6,102.0	39.5	37.9	179.09	0.8	1,799.5	658.0	582.2	75.77	8.684	
6,600.0	6,202.0	6,555.7	6,202.0	39.6	38.0	179.09	0.8	1,799.5	658.0	582.0	75.92	8.666	
6,700.0	6,302.0	6,655.7	6,302.0	39.6	38.1	179.09	0.8	1,799.5	658.0	581.9	76.08	8.648	
6,800.0	6,402.0	6,755.7	6,402.0	39.7	38.2	179.09	0.8	1,799.5	658.0	581.7	76.24	8.630	
6,900.0	6,502.0	6,855.7	6,502.0	39.8	38.3	179.09	0.8	1,799.5	658.0	581.6	76.40	8.612	
7,000.0	6,602.0	6,955.7	6,602.0	39.9	38.3	179.09	0.8	1,799.5	658.0	581.4	76.57	8.593	
7,100.0	6,702.0	7,055.7	6,702.0	39.9	38.4	179.09	0.8	1,799.5	658.0	581.2	76.74	8.574	
7,200.0	6,802.0	7,155.7	6,802.0	40.0	38.5	179.09	0.8	1,799.5	658.0	581.0	76.91	8.555	
7,300.0	6,902.0	7,255.7	6,902.0	40.1	38.6	179.09	0.8	1,799.5	658.0	580.9	77.08	8.536	
7,400.0	7,002.0	7,355.7	7,002.0	40.2	38.7	179.09	0.8	1,799.5	658.0	580.7	77.25	8.517	
7,500.0	7,102.0	7,455.7	7,102.0	40.3	38.8	179.09	0.8	1,799.5	658.0	580.5	77.43	8.498	
7,600.0	7,202.0	7,555.7	7,202.0	40.4	38.9	179.09	0.8	1,799.5	658.0	580.3	77.61	8.478	
7,700.0	7,302.0	7,655.7	7,302.0	40.5	38.9	179.09	0.8	1,799.5	658.0	580.2	77.79	8.458	
7,800.0	7,402.0	7,755.7	7,402.0	40.5	39.0	179.09	0.8	1,799.5	658.0	580.0	77.97	8.439	
7,900.0	7,502.0	7,855.7	7,502.0	40.6	39.1	179.09	0.8	1,799.5	658.0	579.8	78.16	8.419	
8,000.0	7,602.0	7,955.7	7,602.0	40.7	39.2	179.09	0.8	1,799.5	658.0	579.6	78.34	8.398	
8,100.0	7,702.0	8,055.7	7,702.0	40.8	39.3	179.09	0.8	1,799.5	658.0	579.4	78.53	8.378	
8,200.0	7,802.0	8,155.7	7,802.0	40.9	39.4	179.09	0.8	1,799.5	658.0	579.2	78.72	8.358	
8,300.0	7,902.0	8,255.7	7,902.0	41.0	39.5	179.09	0.8	1,799.5	658.0	579.0	78.92	8.337	
8,400.0	8,002.0	8,355.7	8,002.0	41.1	39.6	179.09	0.8	1,799.5	658.0	578.8	79.11	8.317	
8,473.0	8,075.0	8,428.7	8,075.0	41.2	39.7	179.09	0.8	1,799.5	658.0	578.7	79.26	8.302 SF	

## Anticollision Report

<b>Company:</b>	Coachman Energy Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Federal 6/7-14-22
<b>Project:</b>	Garfield County, CO	<b>TVD Reference:</b>	DD @ 7073.0usft
<b>Reference Site:</b>	S22-T6S-R91W	<b>MD Reference:</b>	DD @ 7073.0usft
<b>Site Error:</b>	0.0usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Federal 6/7-14-22	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	DD	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Reference Depths are relative to DD @ 7073.0usft  
Offset Depths are relative to Offset Datum  
Central Meridian is -105.500000 °

Coordinates are relative to: Federal 6/7-14-22  
Coordinate System is US State Plane 1983, Colorado Northern Zone  
Grid Convergence at Surface is: -1.32°

