



## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Federal 6/7-16-22
<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 6/7-16-22	<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 6/7-16-22					
Well Position	+N/-S	0.0 usft	Northing:	1,069,938.21 usft	Latitude:	39.506991
	+E/-W	0.0 usft	Easting:	2,421,872.94 usft	Longitude:	-107.548979
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	89.02	

<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	
987.9	23.64	89.02	965.8	2.7	160.2	3.00	3.00	0.00	89.02	
4,675.8	23.64	89.02	4,344.2	27.9	1,638.7	0.00	0.00	0.00	0.00	
5,463.7	0.00	0.00	5,110.0	30.7	1,798.9	3.00	-3.00	0.00	180.00	6/7-16-22 TOG
8,428.7	0.00	0.00	8,075.0	30.7	1,798.9	0.00	0.00	0.00	0.00	

# Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Federal 6/7-16-22
<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 6/7-16-22	<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	89.02	300.0	0.0	2.6	2.6	3.00	3.00	
400.0	6.00	89.02	399.6	0.2	10.5	10.5	3.00	3.00	
500.0	9.00	89.02	498.8	0.4	23.5	23.5	3.00	3.00	
600.0	12.00	89.02	597.1	0.7	41.7	41.7	3.00	3.00	
700.0	15.00	89.02	694.3	1.1	65.1	65.1	3.00	3.00	
800.0	18.00	89.02	790.2	1.6	93.5	93.5	3.00	3.00	
900.0	21.00	89.02	884.4	2.2	126.8	126.9	3.00	3.00	
987.9	23.64	89.02	965.8	2.7	160.2	160.2	3.00	3.00	EOB; INC=23.64°
1,000.0	23.64	89.02	976.8	2.8	165.1	165.1	0.00	0.00	
1,100.0	23.64	89.02	1,068.4	3.5	205.1	205.2	0.00	0.00	
1,200.0	23.64	89.02	1,160.0	4.2	245.2	245.3	0.00	0.00	
1,300.0	23.64	89.02	1,251.7	4.9	285.3	285.4	0.00	0.00	
1,400.0	23.64	89.02	1,343.3	5.5	325.4	325.5	0.00	0.00	
1,500.0	23.64	89.02	1,434.9	6.2	365.5	365.6	0.00	0.00	
1,600.0	23.64	89.02	1,526.5	6.9	405.6	405.7	0.00	0.00	
1,700.0	23.64	89.02	1,618.1	7.6	445.7	445.7	0.00	0.00	
1,800.0	23.64	89.02	1,709.7	8.3	485.8	485.8	0.00	0.00	
1,900.0	23.64	89.02	1,801.3	9.0	525.9	525.9	0.00	0.00	
2,000.0	23.64	89.02	1,892.9	9.6	566.0	566.0	0.00	0.00	
2,100.0	23.64	89.02	1,984.5	10.3	606.0	606.1	0.00	0.00	
2,200.0	23.64	89.02	2,076.1	11.0	646.1	646.2	0.00	0.00	
2,300.0	23.64	89.02	2,167.8	11.7	686.2	686.3	0.00	0.00	
2,400.0	23.64	89.02	2,259.4	12.4	726.3	726.4	0.00	0.00	
2,500.0	23.64	89.02	2,351.0	13.1	766.4	766.5	0.00	0.00	
2,600.0	23.64	89.02	2,442.6	13.8	806.5	806.6	0.00	0.00	
2,700.0	23.64	89.02	2,534.2	14.4	846.6	846.7	0.00	0.00	
2,800.0	23.64	89.02	2,625.8	15.1	886.7	886.8	0.00	0.00	
2,900.0	23.64	89.02	2,717.4	15.8	926.8	926.9	0.00	0.00	
3,000.0	23.64	89.02	2,809.0	16.5	966.8	967.0	0.00	0.00	
3,100.0	23.64	89.02	2,900.6	17.2	1,006.9	1,007.1	0.00	0.00	
3,200.0	23.64	89.02	2,992.2	17.9	1,047.0	1,047.2	0.00	0.00	
3,300.0	23.64	89.02	3,083.9	18.5	1,087.1	1,087.3	0.00	0.00	
3,400.0	23.64	89.02	3,175.5	19.2	1,127.2	1,127.4	0.00	0.00	
3,500.0	23.64	89.02	3,267.1	19.9	1,167.3	1,167.5	0.00	0.00	
3,600.0	23.64	89.02	3,358.7	20.6	1,207.4	1,207.6	0.00	0.00	
3,700.0	23.64	89.02	3,450.3	21.3	1,247.5	1,247.7	0.00	0.00	
3,800.0	23.64	89.02	3,541.9	22.0	1,287.6	1,287.7	0.00	0.00	
3,900.0	23.64	89.02	3,633.5	22.6	1,327.7	1,327.8	0.00	0.00	
4,000.0	23.64	89.02	3,725.1	23.3	1,367.7	1,367.9	0.00	0.00	
4,100.0	23.64	89.02	3,816.7	24.0	1,407.8	1,408.0	0.00	0.00	
4,200.0	23.64	89.02	3,908.3	24.7	1,447.9	1,448.1	0.00	0.00	
4,300.0	23.64	89.02	4,000.0	25.4	1,488.0	1,488.2	0.00	0.00	
4,400.0	23.64	89.02	4,091.6	26.1	1,528.1	1,528.3	0.00	0.00	
4,500.0	23.64	89.02	4,183.2	26.7	1,568.2	1,568.4	0.00	0.00	
4,600.0	23.64	89.02	4,274.8	27.4	1,608.3	1,608.5	0.00	0.00	
4,675.8	23.64	89.02	4,344.2	27.9	1,638.7	1,638.9	0.00	0.00	Start Drop -3.00
4,700.0	22.91	89.02	4,366.5	28.1	1,648.2	1,648.5	3.00	-3.00	
4,800.0	19.91	89.02	4,459.5	28.7	1,684.7	1,685.0	3.00	-3.00	
4,900.0	16.91	89.02	4,554.4	29.3	1,716.3	1,716.6	3.00	-3.00	

## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Federal 6/7-16-22
<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 6/7-16-22	<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
4,990.9	14.18	89.02	4,642.0	29.7	1,740.7	1,740.9	3.00	-3.00	Williams Fork
5,000.0	13.91	89.02	4,650.8	29.7	1,742.9	1,743.1	3.00	-3.00	
5,100.0	10.91	89.02	4,748.5	30.1	1,764.4	1,764.6	3.00	-3.00	
5,200.0	7.91	89.02	4,847.1	30.4	1,780.7	1,781.0	3.00	-3.00	EOD; INC=0° - Top of Gas - 6/7-16-22 TOG
5,300.0	4.91	89.02	4,946.5	30.6	1,791.9	1,792.1	3.00	-3.00	
5,400.0	1.91	89.02	5,046.3	30.7	1,797.8	1,798.1	3.00	-3.00	
5,463.7	0.00	0.00	5,110.0	30.7	1,798.9	1,799.1	3.00	-3.00	
5,500.0	0.00	0.00	5,146.3	30.7	1,798.9	1,799.1	0.00	0.00	
5,600.0	0.00	0.00	5,246.3	30.7	1,798.9	1,799.1	0.00	0.00	
5,700.0	0.00	0.00	5,346.3	30.7	1,798.9	1,799.1	0.00	0.00	
5,800.0	0.00	0.00	5,446.3	30.7	1,798.9	1,799.1	0.00	0.00	
5,900.0	0.00	0.00	5,546.3	30.7	1,798.9	1,799.1	0.00	0.00	
6,000.0	0.00	0.00	5,646.3	30.7	1,798.9	1,799.1	0.00	0.00	
6,100.0	0.00	0.00	5,746.3	30.7	1,798.9	1,799.1	0.00	0.00	
6,200.0	0.00	0.00	5,846.3	30.7	1,798.9	1,799.1	0.00	0.00	
6,300.0	0.00	0.00	5,946.3	30.7	1,798.9	1,799.1	0.00	0.00	
6,400.0	0.00	0.00	6,046.3	30.7	1,798.9	1,799.1	0.00	0.00	
6,500.0	0.00	0.00	6,146.3	30.7	1,798.9	1,799.1	0.00	0.00	
6,600.0	0.00	0.00	6,246.3	30.7	1,798.9	1,799.1	0.00	0.00	
6,700.0	0.00	0.00	6,346.3	30.7	1,798.9	1,799.1	0.00	0.00	
6,800.0	0.00	0.00	6,446.3	30.7	1,798.9	1,799.1	0.00	0.00	
6,900.0	0.00	0.00	6,546.3	30.7	1,798.9	1,799.1	0.00	0.00	
7,000.0	0.00	0.00	6,646.3	30.7	1,798.9	1,799.1	0.00	0.00	
7,100.0	0.00	0.00	6,746.3	30.7	1,798.9	1,799.1	0.00	0.00	
7,200.0	0.00	0.00	6,846.3	30.7	1,798.9	1,799.1	0.00	0.00	
7,300.0	0.00	0.00	6,946.3	30.7	1,798.9	1,799.1	0.00	0.00	
7,400.0	0.00	0.00	7,046.3	30.7	1,798.9	1,799.1	0.00	0.00	
7,500.0	0.00	0.00	7,146.3	30.7	1,798.9	1,799.1	0.00	0.00	
7,600.0	0.00	0.00	7,246.3	30.7	1,798.9	1,799.1	0.00	0.00	
7,700.0	0.00	0.00	7,346.3	30.7	1,798.9	1,799.1	0.00	0.00	
7,800.0	0.00	0.00	7,446.3	30.7	1,798.9	1,799.1	0.00	0.00	
7,900.0	0.00	0.00	7,546.3	30.7	1,798.9	1,799.1	0.00	0.00	
8,000.0	0.00	0.00	7,646.3	30.7	1,798.9	1,799.1	0.00	0.00	
8,061.7	0.00	0.00	7,708.0	30.7	1,798.9	1,799.1	0.00	0.00	Cameo
8,100.0	0.00	0.00	7,746.3	30.7	1,798.9	1,799.1	0.00	0.00	Rollins
8,200.0	0.00	0.00	7,846.3	30.7	1,798.9	1,799.1	0.00	0.00	
8,300.0	0.00	0.00	7,946.3	30.7	1,798.9	1,799.1	0.00	0.00	
8,325.7	0.00	0.00	7,972.0	30.7	1,798.9	1,799.1	0.00	0.00	TD at 8428.7
8,400.0	0.00	0.00	8,046.3	30.7	1,798.9	1,799.1	0.00	0.00	
8,428.7	0.00	0.00	8,075.0	30.7	1,798.9	1,799.1	0.00	0.00	

Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
6/7-16-22 TOG	0.00	0.00	5,110.0	30.7	1,798.9	1,069,927.31	2,423,672.06	39.507075	-107.542604
- 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 6/7-16-22
<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 6/7-16-22	<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 (°)	
4,990.9	4,642.0	Williams Fork				
5,463.7	5,110.0	Top of Gas				
8,061.7	7,708.0	Cameo				
8,325.7	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'	
987.9	965.8	2.7	160.2	EOB; INC=23.64°	
4,675.8	4,344.2	27.9	1,638.7	Start Drop -3.00	
5,463.7	5,110.0	30.7	1,798.9	EOD; INC=0°	
8,428.7	8,075.0	30.7	1,798.9	TD at 8428.7	

# **Coachman Energy Operating Company, LLC**

**Garfield County, CO**

**S22-T6S-R91W**

**Federal 6/7-16-22**

**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 6/7-16-22
<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 6/7-16-22	<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	8,428.7	Plan #1 (DD)	ISCWSA MWD	MWD - ISCWSA	

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
S22-T6S-R91W						
Federal 2/3-11-22 - DD - Plan #1	200.0	200.0	69.0	68.4	112.037	CC, ES
Federal 2/3-11-22 - DD - Plan #1	2,600.0	2,370.6	957.2	932.1	38.212	SF
Federal 2/3-12-22 - DD - Plan #1	200.0	200.0	54.5	53.9	88.522	CC, ES
Federal 2/3-12-22 - DD - Plan #1	700.0	682.2	117.3	113.8	33.587	SF
Federal 2/3-13-22 - DD - Plan #1	200.0	200.0	40.4	39.8	65.561	CC, ES
Federal 2/3-13-22 - DD - Plan #1	600.0	593.6	74.1	71.4	26.904	SF
Federal 2/3-14-22 - DD - Plan #1	200.0	200.0	27.1	26.5	44.010	CC, ES
Federal 2/3-14-22 - DD - Plan #1	500.0	498.9	44.3	42.2	20.449	SF
Federal 2/3-15-22 - DD - Plan #1	200.0	200.0	16.9	16.3	27.425	CC, ES
Federal 2/3-15-22 - DD - Plan #1	500.0	501.0	32.5	30.3	14.801	SF
Federal 2/3-16-22 - DD - Plan #1	200.0	200.0	16.7	16.1	27.148	CC, ES
Federal 2/3-16-22 - DD - Plan #1	500.0	501.1	32.3	30.1	14.650	SF
Federal 6/7-13-22 - DD - Plan #1	200.0	200.0	44.8	44.2	72.765	CC
Federal 6/7-13-22 - DD - Plan #1	224.5	224.5	44.8	44.1	61.904	ES
Federal 6/7-13-22 - DD - Plan #1	8,428.7	8,533.7	986.9	907.6	12.436	SF
Federal 6/7-14-22 - DD - Plan #1	200.0	200.0	29.9	29.3	48.510	CC, ES
Federal 6/7-14-22 - DD - Plan #1	8,428.7	8,473.0	658.0	578.7	8.302	SF
Federal 6/7-15-22 - DD - Plan #1	200.0	200.0	14.9	14.3	24.255	CC
Federal 6/7-15-22 - DD - Plan #1	300.0	299.9	15.2	14.1	14.414	ES
Federal 6/7-15-22 - DD - Plan #1	8,428.7	8,444.3	329.0	249.7	4.149	SF

# Anticollision Report

<b>Company:</b>	Coachman Energy Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Federal 6/7-16-22
<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 6/7-16-22	<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			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	-13.72	67.0	-16.4	69.0					
100.0	100.0	100.0	100.0	0.1	0.1	-13.72	67.0	-16.4	69.0	68.8	0.17	414.840		
200.0	200.0	200.0	200.0	0.3	0.3	-13.72	67.0	-16.4	69.0	68.4	0.62	112.037 CC, ES		
300.0	300.0	296.9	296.8	0.5	0.5	-103.66	69.4	-15.7	71.8	70.7	1.06	67.534		
400.0	399.6	393.2	392.9	0.8	0.8	-106.00	76.4	-13.7	80.2	78.7	1.56	51.463		
500.0	498.8	488.5	487.4	1.1	1.0	-108.90	87.9	-10.3	94.5	92.4	2.12	44.498		
600.0	597.1	582.2	579.7	1.4	1.3	-111.63	103.7	-5.8	114.7	111.9	2.77	41.369		
700.0	694.3	674.0	669.2	1.9	1.7	-113.83	123.2	-0.1	140.7	137.2	3.51	40.043		
800.0	790.2	763.4	755.3	2.4	2.2	-115.44	146.3	6.6	172.4	168.0	4.36	39.495		
900.0	884.4	850.1	837.6	3.0	2.7	-116.50	172.3	14.1	209.4	204.1	5.32	39.385		
987.9	965.8	925.2	908.0	3.7	3.1	-117.09	197.7	21.4	246.2	239.9	6.24	39.478		
1,000.0	976.8	936.1	918.1	3.8	3.2	-117.34	201.4	22.5	251.4	245.1	6.37	39.480		
1,100.0	1,068.4	1,025.7	1,001.6	4.6	3.8	-119.01	232.6	31.5	295.1	287.7	7.48	39.481		
1,200.0	1,160.0	1,115.4	1,085.2	5.4	4.4	-120.25	263.8	40.5	339.0	330.4	8.61	39.384		
1,300.0	1,251.7	1,205.0	1,168.8	6.2	5.0	-121.20	295.0	49.6	383.0	373.2	9.75	39.287		
1,400.0	1,343.3	1,294.7	1,252.3	7.0	5.6	-121.96	326.2	58.6	427.0	416.1	10.90	39.172		
1,500.0	1,434.9	1,384.4	1,335.9	7.9	6.3	-122.58	357.5	67.6	471.1	459.0	12.06	39.056		
1,600.0	1,526.5	1,474.0	1,419.5	8.7	6.9	-123.10	388.7	76.6	515.2	501.9	13.23	38.945		
1,700.0	1,618.1	1,563.7	1,503.0	9.5	7.5	-123.53	419.9	85.7	559.3	544.9	14.40	38.842		
1,800.0	1,709.7	1,653.3	1,586.6	10.4	8.1	-123.90	451.1	94.7	603.5	587.9	15.57	38.746		
1,900.0	1,801.3	1,743.0	1,670.2	11.2	8.8	-124.22	482.3	103.7	647.6	630.9	16.75	38.658		
2,000.0	1,892.9	1,832.7	1,753.7	12.0	9.4	-124.49	513.5	112.7	691.8	673.9	17.93	38.577		
2,100.0	1,984.5	1,922.3	1,837.3	12.9	10.0	-124.74	544.7	121.8	736.0	716.9	19.12	38.503		
2,200.0	2,076.1	2,012.0	1,920.9	13.7	10.6	-124.95	575.9	130.8	780.2	759.9	20.30	38.435		
2,300.0	2,167.8	2,101.6	2,004.4	14.5	11.3	-125.15	607.1	139.8	824.5	803.0	21.49	38.372		
2,400.0	2,259.4	2,191.3	2,088.0	15.4	11.9	-125.32	638.3	148.8	868.7	846.0	22.67	38.315		
2,500.0	2,351.0	2,280.9	2,171.6	16.2	12.5	-125.48	669.5	157.9	912.9	889.1	23.86	38.261		
2,600.0	2,442.6	2,370.6	2,255.1	17.0	13.2	-125.62	700.7	166.9	957.2	932.1	25.05	38.212 SF		



# Anticollision Report

<b>Company:</b>	Coachman Energy Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Federal 6/7-16-22
<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 6/7-16-22	<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	-17.16	52.1	-16.1	54.5					
100.0	100.0	100.0	100.0	0.1	0.1	-17.16	52.1	-16.1	54.5					
200.0	200.0	200.0	200.0	0.3	0.3	-17.16	52.1	-16.1	54.5					
300.0	300.0	298.9	298.9	0.5	0.5	-108.30	52.7	-15.9	55.8			0.17	327.771	
400.0	399.6	396.3	396.2	0.8	0.8	-111.90	57.4	-14.2	62.3			0.62	88.522 CC, ES	
500.0	498.8	493.0	492.3	1.1	1.0	-115.43	66.6	-10.8	74.8			1.06	52.440	
												1.55	40.128	
												2.12	35.344	
600.0	597.1	588.4	586.6	1.4	1.3	-118.18	80.2	-5.8	93.2					
700.0	694.3	682.2	678.5	1.9	1.6	-120.04	97.8	0.6	117.3			2.76	33.785	
800.0	790.2	773.9	767.3	2.4	2.0	-121.14	119.1	8.4	146.9			3.49	33.587 SF	
900.0	884.4	865.1	854.6	3.0	2.5	-121.81	144.0	17.5	181.5			4.33	33.912	
987.9	965.8	946.3	932.2	3.7	3.0	-122.80	166.7	25.8	214.6			5.28	34.394	
												6.18	34.758	
1,000.0	976.8	957.4	942.8	3.8	3.0	-123.08	169.8	26.9	219.3					
1,100.0	1,068.4	1,049.1	1,030.3	4.6	3.5	-125.01	195.4	36.3	258.4			6.30	34.819	
1,200.0	1,160.0	1,140.9	1,117.9	5.4	4.1	-126.43	221.0	45.7	297.7			7.34	35.215	
1,300.0	1,251.7	1,232.6	1,205.5	6.2	4.6	-127.52	246.7	55.0	337.1			8.40	35.437	
1,400.0	1,343.3	1,324.4	1,293.1	7.0	5.1	-128.39	272.3	64.4	376.5			9.46	35.616	
												10.54	35.728	
1,500.0	1,434.9	1,416.1	1,380.7	7.9	5.7	-129.09	297.9	73.8	416.1					
1,600.0	1,526.5	1,507.9	1,468.3	8.7	6.2	-129.67	323.5	83.1	455.6			11.62	35.805	
1,700.0	1,618.1	1,599.6	1,555.9	9.5	6.7	-130.15	349.2	92.5	495.2			12.71	35.859	
1,800.0	1,709.7	1,691.4	1,643.5	10.4	7.3	-130.57	374.8	101.9	534.9			13.80	35.897	
1,900.0	1,801.3	1,783.1	1,731.1	11.2	7.8	-130.93	400.4	111.3	574.5			14.89	35.924	
												15.98	35.943	
2,000.0	1,892.9	1,874.9	1,818.7	12.0	8.3	-131.24	426.1	120.6	614.2					
2,100.0	1,984.5	1,966.6	1,906.3	12.9	8.9	-131.51	451.7	130.0	653.9			17.08	35.956	
2,200.0	2,076.1	2,058.4	1,993.9	13.7	9.4	-131.75	477.3	139.4	693.6			18.18	35.966	
2,300.0	2,167.8	2,150.1	2,081.5	14.5	10.0	-131.97	503.0	148.7	733.3			19.28	35.973	
2,400.0	2,259.4	2,241.9	2,169.1	15.4	10.5	-132.16	528.6	158.1	773.0			20.38	35.977	
												21.48	35.980	
2,500.0	2,351.0	2,333.6	2,256.7	16.2	11.0	-132.34	554.2	167.5	812.7					
2,600.0	2,442.6	2,425.4	2,344.3	17.0	11.6	-132.50	579.9	176.8	852.4			22.59	35.981	
2,700.0	2,534.2	2,517.1	2,431.9	17.9	12.1	-132.64	605.5	186.2	892.1			23.69	35.982	
2,800.0	2,625.8	2,608.9	2,519.5	18.7	12.7	-132.78	631.1	195.6	931.9			24.79	35.982	
2,900.0	2,717.4	2,700.6	2,607.1	19.5	13.2	-132.90	656.8	205.0	971.6			25.90	35.981	
												27.00	35.980	

# Anticollision Report

<b>Company:</b>	Coachman Energy Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Federal 6/7-16-22
<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 6/7-16-22	<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	-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	242.752			
200.0	200.0	200.0	200.0	0.3	0.3	-23.04	37.2	-15.8	40.4	0.62	65.561 CC, ES			
300.0	300.0	300.0	300.0	0.5	0.5	-115.39	37.2	-15.8	41.4	1.07	38.714			
400.0	399.6	398.4	398.4	0.8	0.8	-121.39	39.4	-14.7	46.6	1.57	29.773			
500.0	498.8	496.5	496.1	1.1	1.0	-125.61	46.2	-11.3	57.6	2.13	27.079			
600.0	597.1	593.6	592.5	1.4	1.3	-127.83	57.4	-5.8	74.1	2.75	26.904 SF			
700.0	694.3	689.5	686.8	1.9	1.6	-128.65	72.7	1.7	95.9	3.46	27.682			
800.0	790.2	784.6	779.5	2.4	1.9	-128.78	91.7	11.1	122.5	4.28	28.664			
900.0	884.4	879.8	872.1	3.0	2.4	-129.79	111.7	21.0	152.8	5.16	29.602			
987.9	965.8	962.5	952.5	3.7	2.7	-131.20	129.0	29.5	182.2	5.99	30.426			
1,000.0	976.8	973.8	963.4	3.8	2.8	-131.51	131.3	30.6	186.4	6.10	30.566			
1,100.0	1,068.4	1,067.1	1,054.2	4.6	3.2	-133.60	150.9	40.3	221.6	7.02	31.553			
1,200.0	1,160.0	1,160.5	1,145.0	5.4	3.6	-135.13	170.4	49.9	256.9	7.96	32.280			
1,300.0	1,251.7	1,253.9	1,235.8	6.2	4.1	-136.28	189.9	59.6	292.3	8.90	32.854			
1,400.0	1,343.3	1,347.2	1,326.6	7.0	4.5	-137.19	209.5	69.2	327.9	9.85	33.300			
1,500.0	1,434.9	1,440.6	1,417.4	7.9	5.0	-137.92	229.0	78.8	363.5	10.80	33.656			
1,600.0	1,526.5	1,533.9	1,508.1	8.7	5.4	-138.51	248.6	88.5	399.1	11.76	33.946			
1,700.0	1,618.1	1,627.3	1,598.9	9.5	5.9	-139.01	268.1	98.1	434.8	12.72	34.185			
1,800.0	1,709.7	1,720.7	1,689.7	10.4	6.3	-139.44	287.6	107.8	470.5	13.68	34.386			
1,900.0	1,801.3	1,814.0	1,780.5	11.2	6.7	-139.80	307.2	117.4	506.2	14.65	34.557			
2,000.0	1,892.9	1,907.4	1,871.3	12.0	7.2	-140.12	326.7	127.0	541.9	15.61	34.703			
2,100.0	1,984.5	2,000.8	1,962.1	12.9	7.6	-140.40	346.3	136.7	577.6	16.58	34.830			
2,200.0	2,076.1	2,094.1	2,052.9	13.7	8.1	-140.64	365.8	146.3	613.4	17.55	34.940			
2,300.0	2,167.8	2,187.5	2,143.6	14.5	8.5	-140.86	385.3	156.0	649.1	18.53	35.037			
2,400.0	2,259.4	2,280.8	2,234.4	15.4	9.0	-141.06	404.9	165.6	684.9	19.50	35.123			
2,500.0	2,351.0	2,374.2	2,325.2	16.2	9.4	-141.23	424.4	175.2	720.6	20.47	35.200			
2,600.0	2,442.6	2,467.6	2,416.0	17.0	9.9	-141.39	444.0	184.9	756.4	21.45	35.269			
2,700.0	2,534.2	2,560.9	2,506.8	17.9	10.3	-141.54	463.5	194.5	792.2	22.42	35.331			
2,800.0	2,625.8	2,654.3	2,597.6	18.7	10.8	-141.67	483.0	204.2	828.0	23.40	35.387			
2,900.0	2,717.4	2,747.7	2,688.3	19.5	11.2	-141.79	502.6	213.8	863.8	24.37	35.438			
3,000.0	2,809.0	2,841.0	2,779.1	20.4	11.7	-141.91	522.1	223.4	899.6	25.35	35.485			
3,100.0	2,900.6	2,934.4	2,869.9	21.2	12.1	-142.01	541.7	233.1	935.3	26.33	35.527			
3,200.0	2,992.2	3,027.7	2,960.7	22.0	12.6	-142.10	561.2	242.7	971.1	27.30	35.567			

# Anticollision Report

<b>Company:</b>	Coachman Energy Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Federal 6/7-16-22
<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 6/7-16-22	<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	-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	300.0	300.0	0.5	0.5	-128.26	22.2	-15.5	28.6	27.6	1.08	26.414		
400.0	399.6	399.6	399.6	0.8	0.8	-137.47	22.7	-15.1	34.1	32.5	1.61	21.209		
500.0	498.8	498.9	498.8	1.1	1.0	-142.02	26.9	-12.0	44.3	42.2	2.17	20.449 SF		
600.0	597.1	597.9	597.2	1.4	1.2	-142.61	35.1	-5.9	58.7	56.0	2.76	21.263		
700.0	694.3	696.2	694.3	1.9	1.5	-141.35	47.2	3.2	77.2	73.7	3.42	22.552		
800.0	790.2	793.7	790.3	2.4	1.8	-141.18	60.8	13.4	99.6	95.4	4.15	24.006		
900.0	884.4	890.0	885.2	3.0	2.2	-142.38	74.2	23.4	126.0	121.1	4.92	25.607		
987.9	965.8	973.7	967.6	3.7	2.5	-143.88	85.8	32.1	152.7	147.1	5.63	27.138		
1,000.0	976.8	985.1	978.8	3.8	2.5	-144.16	87.4	33.3	156.6	150.9	5.72	27.396		
1,100.0	1,068.4	1,079.6	1,071.9	4.6	2.9	-146.07	100.5	43.1	188.9	182.4	6.46	29.248		
1,200.0	1,160.0	1,174.1	1,164.9	5.4	3.2	-147.42	113.6	53.0	221.3	214.1	7.21	30.680		
1,300.0	1,251.7	1,268.6	1,258.0	6.2	3.6	-148.43	126.7	62.8	253.8	245.8	7.97	31.832		
1,400.0	1,343.3	1,363.0	1,351.0	7.0	3.9	-149.20	139.9	72.6	286.4	277.6	8.74	32.748		
1,500.0	1,434.9	1,457.5	1,444.1	7.9	4.3	-149.82	153.0	82.5	319.0	309.4	9.52	33.498		
1,600.0	1,526.5	1,552.0	1,537.1	8.7	4.7	-150.33	166.1	92.3	351.6	341.3	10.30	34.121		
1,700.0	1,618.1	1,646.5	1,630.2	9.5	5.0	-150.74	179.3	102.1	384.2	373.1	11.09	34.644		
1,800.0	1,709.7	1,741.0	1,723.2	10.4	5.4	-151.10	192.4	112.0	416.9	405.0	11.88	35.089		
1,900.0	1,801.3	1,835.5	1,816.3	11.2	5.8	-151.40	205.5	121.8	449.6	436.9	12.67	35.470		
2,000.0	1,892.9	1,930.0	1,909.3	12.0	6.1	-151.66	218.6	131.7	482.2	468.8	13.47	35.801		
2,100.0	1,984.5	2,024.5	2,002.4	12.9	6.5	-151.89	231.8	141.5	514.9	500.7	14.27	36.091		
2,200.0	2,076.1	2,118.9	2,095.5	13.7	6.9	-152.09	244.9	151.3	547.6	532.6	15.07	36.345		
2,300.0	2,167.8	2,213.4	2,188.5	14.5	7.2	-152.26	258.0	161.2	580.3	564.5	15.87	36.571		
2,400.0	2,259.4	2,307.9	2,281.6	15.4	7.6	-152.42	271.1	171.0	613.0	596.4	16.67	36.772		
2,500.0	2,351.0	2,402.4	2,374.6	16.2	7.9	-152.57	284.3	180.8	645.8	628.3	17.47	36.953		
2,600.0	2,442.6	2,496.9	2,467.7	17.0	8.3	-152.70	297.4	190.7	678.5	660.2	18.28	37.116		
2,700.0	2,534.2	2,591.4	2,560.7	17.9	8.7	-152.81	310.5	200.5	711.2	692.1	19.09	37.263		
2,800.0	2,625.8	2,685.9	2,653.8	18.7	9.0	-152.92	323.7	210.3	743.9	724.0	19.89	37.398		
2,900.0	2,717.4	2,780.4	2,746.8	19.5	9.4	-153.02	336.8	220.2	776.6	755.9	20.70	37.520		
3,000.0	2,809.0	2,874.8	2,839.9	20.4	9.8	-153.11	349.9	230.0	809.3	787.8	21.51	37.632		
3,100.0	2,900.6	2,969.3	2,932.9	21.2	10.1	-153.19	363.0	239.9	842.1	819.8	22.31	37.736		
3,200.0	2,992.2	3,063.8	3,026.0	22.0	10.5	-153.27	376.2	249.7	874.8	851.7	23.12	37.831		
3,300.0	3,083.9	3,158.3	3,119.0	22.9	10.9	-153.34	389.3	259.5	907.5	883.6	23.93	37.919		
3,400.0	3,175.5	3,252.8	3,212.1	23.7	11.2	-153.40	402.4	269.4	940.3	915.5	24.74	38.001		
3,500.0	3,267.1	3,347.3	3,305.1	24.6	11.6	-153.47	415.5	279.2	973.0	947.4	25.55	38.077		

# Anticollision Report

<b>Company:</b>	Coachman Energy Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Federal 6/7-16-22
<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 6/7-16-22	<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	-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	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	-156.92	7.3	-15.2	19.3	18.1	1.12	17.245		
400.0	399.6	400.5	400.4	0.8	0.8	-158.97	8.7	-13.0	25.0	23.4	1.65	15.124		
500.0	498.8	501.0	500.7	1.1	1.0	-156.00	13.1	-6.4	32.5	30.3	2.20	14.801 SF		
600.0	597.1	600.8	599.7	1.4	1.3	-152.46	19.6	3.6	42.6	39.9	2.78	15.338		
700.0	694.3	699.8	697.9	1.9	1.5	-152.50	26.3	13.8	57.3	53.8	3.41	16.797		
800.0	790.2	797.8	795.3	2.4	1.8	-154.22	32.9	23.9	76.5	72.4	4.06	18.862		
900.0	884.4	894.9	891.5	3.0	2.1	-156.36	39.4	33.8	100.4	95.7	4.71	21.348		
987.9	965.8	979.0	975.1	3.7	2.4	-158.20	45.1	42.5	125.5	120.2	5.27	23.791		
1,000.0	976.8	990.5	986.5	3.8	2.4	-158.47	45.9	43.7	129.2	123.8	5.34	24.190		
1,100.0	1,068.4	1,085.6	1,080.8	4.6	2.7	-160.27	52.3	53.4	159.8	153.9	5.89	27.118		
1,200.0	1,160.0	1,180.7	1,175.2	5.4	3.0	-161.48	58.7	63.2	190.6	184.2	6.46	29.499		
1,300.0	1,251.7	1,275.8	1,269.6	6.2	3.3	-162.36	65.1	73.0	221.4	214.4	7.04	31.448		
1,400.0	1,343.3	1,370.9	1,363.9	7.0	3.6	-163.03	71.5	82.8	252.3	244.7	7.63	33.065		
1,500.0	1,434.9	1,465.9	1,458.3	7.9	3.9	-163.54	77.9	92.5	283.2	275.0	8.23	34.424		
1,600.0	1,526.5	1,561.0	1,552.6	8.7	4.2	-163.96	84.3	102.3	314.1	305.3	8.83	35.577		
1,700.0	1,618.1	1,656.1	1,647.0	9.5	4.5	-164.30	90.7	112.1	345.0	335.6	9.44	36.567		
1,800.0	1,709.7	1,751.2	1,741.4	10.4	4.8	-164.59	97.1	121.8	375.9	365.9	10.05	37.424		
1,900.0	1,801.3	1,846.3	1,835.7	11.2	5.1	-164.83	103.5	131.6	406.9	396.2	10.66	38.173		
2,000.0	1,892.9	1,941.3	1,930.1	12.0	5.4	-165.04	109.9	141.4	437.8	426.5	11.27	38.833		
2,100.0	1,984.5	2,036.4	2,024.5	12.9	5.7	-165.22	116.3	151.2	468.8	456.9	11.89	39.419		
2,200.0	2,076.1	2,131.5	2,118.8	13.7	6.0	-165.38	122.7	160.9	499.7	487.2	12.51	39.942		
2,300.0	2,167.8	2,226.6	2,213.2	14.5	6.3	-165.52	129.1	170.7	530.7	517.5	13.14	40.400		
2,400.0	2,259.4	2,321.7	2,307.5	15.4	6.6	-165.64	135.5	180.5	561.6	547.8	13.76	40.809		
2,500.0	2,351.0	2,416.8	2,401.9	16.2	6.9	-165.76	141.9	190.3	592.6	578.2	14.39	41.178		
2,600.0	2,442.6	2,511.8	2,496.3	17.0	7.2	-165.86	148.3	200.0	623.5	608.5	15.02	41.513		
2,700.0	2,534.2	2,606.9	2,590.6	17.9	7.5	-165.95	154.7	209.8	654.5	638.8	15.65	41.818		
2,800.0	2,625.8	2,702.0	2,685.0	18.7	7.8	-166.03	161.1	219.6	685.4	669.2	16.28	42.097		
2,900.0	2,717.4	2,797.1	2,779.3	19.5	8.1	-166.11	167.5	229.3	716.4	699.5	16.92	42.353		
3,000.0	2,809.0	2,892.2	2,873.7	20.4	8.4	-166.17	173.9	239.1	747.4	729.8	17.55	42.588		
3,100.0	2,900.6	2,987.2	2,968.1	21.2	8.7	-166.24	180.3	248.9	778.3	760.1	18.18	42.806		
3,200.0	2,992.2	3,082.3	3,062.4	22.0	9.0	-166.30	186.7	258.7	809.3	790.5	18.82	43.007		
3,300.0	3,083.9	3,177.4	3,156.8	22.9	9.3	-166.35	193.1	268.4	840.3	820.8	19.45	43.194		
3,400.0	3,175.5	3,272.5	3,251.2	23.7	9.6	-166.40	199.5	278.2	871.2	851.1	20.09	43.368		
3,500.0	3,267.1	3,367.6	3,345.5	24.6	9.9	-166.45	205.9	288.0	902.2	881.5	20.73	43.530		
3,600.0	3,358.7	3,462.7	3,439.9	25.4	10.2	-166.49	212.3	297.8	933.2	911.8	21.36	43.682		
3,700.0	3,450.3	3,557.7	3,534.2	26.2	10.5	-166.54	218.7	307.5	964.1	942.1	22.00	43.824		
3,800.0	3,541.9	3,652.8	3,628.6	27.1	10.9	-166.57	225.1	317.3	995.1	972.4	22.64	43.958		

# Anticollision Report

<b>Company:</b>	Coachman Energy Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Federal 6/7-16-22
<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 6/7-16-22	<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	-118.64	-8.0	-14.7	16.7					
100.0	100.0	100.0	100.0	0.1	0.1	-118.64	-8.0	-14.7	16.7	16.6	0.17	100.520		
200.0	200.0	200.0	200.0	0.3	0.3	-118.64	-8.0	-14.7	16.7	16.1	0.62	27.148 CC, ES		
300.0	300.0	300.0	300.0	0.5	0.5	155.96	-8.0	-14.7	19.1	18.0	1.12	17.070		
400.0	399.6	400.5	400.5	0.8	0.7	161.60	-8.0	-12.9	24.8	23.1	1.66	14.962		
500.0	498.8	501.1	501.0	1.1	1.0	165.75	-8.1	-7.6	32.3	30.1	2.21	14.650 SF		
600.0	597.1	601.9	601.4	1.4	1.2	168.67	-8.1	1.2	41.7	38.9	2.77	15.029		
700.0	694.3	701.1	700.0	1.9	1.5	171.03	-8.2	11.7	54.5	51.1	3.35	16.249		
800.0	790.2	799.4	797.8	2.4	1.7	173.00	-8.3	22.1	72.5	68.5	3.95	18.366		
900.0	884.4	896.7	894.5	3.0	2.0	174.48	-8.3	32.3	95.6	91.1	4.54	21.052		
987.9	965.8	981.1	978.4	3.7	2.3	175.45	-8.4	41.3	120.1	115.1	5.07	23.715		
1,000.0	976.8	992.6	989.8	3.8	2.3	175.56	-8.4	42.5	123.8	118.7	5.12	24.159		
1,100.0	1,068.4	1,087.9	1,084.6	4.6	2.6	176.34	-8.5	52.5	153.9	148.3	5.61	27.423		
1,200.0	1,160.0	1,183.2	1,179.4	5.4	2.9	176.86	-8.5	62.6	184.1	178.0	6.12	30.078		
1,300.0	1,251.7	1,278.6	1,274.2	6.2	3.1	177.24	-8.6	72.7	214.3	207.6	6.64	32.267		
1,400.0	1,343.3	1,373.9	1,369.0	7.0	3.4	177.52	-8.7	82.7	244.5	237.3	7.17	34.077		
1,500.0	1,434.9	1,469.2	1,463.8	7.9	3.7	177.74	-8.7	92.8	274.6	266.9	7.71	35.601		
1,600.0	1,526.5	1,564.6	1,558.6	8.7	4.0	177.92	-8.8	102.9	304.8	296.6	8.26	36.896		
1,700.0	1,618.1	1,659.9	1,653.4	9.5	4.3	178.06	-8.9	112.9	335.0	326.2	8.81	38.007		
1,800.0	1,709.7	1,755.2	1,748.2	10.4	4.5	178.18	-9.0	123.0	365.2	355.8	9.37	38.970		
1,900.0	1,801.3	1,850.6	1,843.0	11.2	4.8	178.28	-9.0	133.1	395.4	385.5	9.93	39.811		
2,000.0	1,892.9	1,945.9	1,937.8	12.0	5.1	178.37	-9.1	143.1	425.6	415.1	10.50	40.552		
2,100.0	1,984.5	2,041.2	2,032.6	12.9	5.4	178.45	-9.2	153.2	455.8	444.7	11.06	41.209		
2,200.0	2,076.1	2,136.5	2,127.4	13.7	5.7	178.51	-9.2	163.3	486.0	474.4	11.63	41.795		
2,300.0	2,167.8	2,231.9	2,222.2	14.5	6.0	178.57	-9.3	173.3	516.2	504.0	12.20	42.322		
2,400.0	2,259.4	2,327.2	2,317.0	15.4	6.2	178.63	-9.4	183.4	546.4	533.6	12.77	42.798		
2,500.0	2,351.0	2,422.5	2,411.8	16.2	6.5	178.67	-9.4	193.5	576.6	563.2	13.34	43.230		
2,600.0	2,442.6	2,517.9	2,506.6	17.0	6.8	178.72	-9.5	203.5	606.8	592.9	13.91	43.625		
2,700.0	2,534.2	2,613.2	2,601.4	17.9	7.1	178.75	-9.6	213.6	637.0	622.5	14.48	43.987		
2,800.0	2,625.8	2,708.5	2,696.2	18.7	7.4	178.79	-9.6	223.7	667.2	652.1	15.05	44.320		
2,900.0	2,717.4	2,803.9	2,791.0	19.5	7.7	178.82	-9.7	233.7	697.4	681.7	15.63	44.628		
3,000.0	2,809.0	2,899.2	2,885.8	20.4	7.9	178.85	-9.8	243.8	727.6	711.4	16.20	44.913		
3,100.0	2,900.6	2,994.5	2,980.6	21.2	8.2	178.88	-9.8	253.9	757.8	741.0	16.77	45.179		
3,200.0	2,992.2	3,089.9	3,075.4	22.0	8.5	178.90	-9.9	263.9	788.0	770.6	17.35	45.427		
3,300.0	3,083.9	3,185.2	3,170.2	22.9	8.8	178.92	-10.0	274.0	818.2	800.2	17.92	45.660		
3,400.0	3,175.5	3,280.5	3,265.0	23.7	9.1	178.94	-10.1	284.1	848.4	829.9	18.49	45.878		
3,500.0	3,267.1	3,375.8	3,359.8	24.6	9.4	178.96	-10.1	294.1	878.6	859.5	19.06	46.084		
3,600.0	3,358.7	3,471.2	3,454.6	25.4	9.6	178.98	-10.2	304.2	908.8	889.1	19.64	46.279		
3,700.0	3,450.3	3,566.5	3,549.4	26.2	9.9	179.00	-10.3	314.3	939.0	918.8	20.21	46.463		
3,800.0	3,541.9	3,661.8	3,644.2	27.1	10.2	179.02	-10.3	324.3	969.2	948.4	20.78	46.637		
3,900.0	3,633.5	3,757.2	3,739.0	27.9	10.5	179.03	-10.4	334.4	999.4	978.0	21.35	46.803		

# Anticollision Report

<b>Company:</b>	Coachman Energy Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Federal 6/7-16-22
<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 6/7-16-22	<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		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	-1.08	44.8	-0.8	44.8					
100.0	100.0	100.0	100.0	0.1	0.1	-1.08	44.8	-0.8	44.8	44.6	0.17	269.428		
200.0	200.0	200.0	200.0	0.3	0.3	-1.08	44.8	-0.8	44.8	44.2	0.62	72.765 CC		
224.5	224.5	224.5	224.5	0.4	0.4	-90.31	44.8	-0.8	44.8	44.1	0.72	61.904 ES		
300.0	300.0	299.5	299.5	0.5	0.5	-92.67	45.1	-0.3	45.2	44.1	1.05	42.869		
400.0	399.6	398.4	398.3	0.8	0.8	-96.33	47.6	4.2	47.8	46.3	1.52	31.542		
500.0	498.8	497.4	496.7	1.1	1.0	-99.76	52.5	13.2	53.1	51.0	2.07	25.714		
600.0	597.1	596.2	594.3	1.4	1.3	-102.55	59.8	26.6	61.0	58.3	2.74	22.313		
700.0	694.3	694.9	690.8	1.9	1.7	-104.60	69.5	44.4	71.5	68.0	3.55	20.129		
800.0	790.2	793.2	785.9	2.4	2.2	-105.97	81.5	66.5	84.5	79.9	4.53	18.629		
900.0	884.4	891.2	879.2	3.0	2.7	-106.79	95.8	92.8	99.8	94.1	5.69	17.540		
987.9	965.8	977.0	959.6	3.7	3.3	-107.17	110.3	119.2	115.3	108.4	6.86	16.794		
1,000.0	976.8	988.8	970.5	3.8	3.4	-107.25	112.4	123.0	117.5	110.5	7.03	16.715		
1,100.0	1,068.4	1,086.0	1,059.6	4.6	4.1	-106.63	131.0	157.2	136.5	128.0	8.51	16.036		
1,200.0	1,160.0	1,182.9	1,146.3	5.4	4.9	-104.39	151.7	195.1	156.4	146.3	10.11	15.471		
1,300.0	1,251.7	1,280.6	1,233.1	6.2	5.8	-102.16	173.1	234.5	176.8	165.0	11.76	15.035		
1,400.0	1,343.3	1,378.3	1,319.9	7.0	6.7	-100.40	194.6	273.9	197.4	183.9	13.41	14.716		
1,500.0	1,434.9	1,476.0	1,406.6	7.9	7.6	-98.96	216.1	313.3	218.1	203.0	15.07	14.474		
1,600.0	1,526.5	1,573.7	1,493.4	8.7	8.5	-97.78	237.6	352.7	238.9	222.2	16.72	14.287		
1,700.0	1,618.1	1,671.3	1,580.2	9.5	9.4	-96.78	259.0	392.0	259.9	241.5	18.38	14.138		
1,800.0	1,709.7	1,769.0	1,667.0	10.4	10.3	-95.94	280.5	431.4	280.9	260.8	20.04	14.018		
1,900.0	1,801.3	1,866.7	1,753.8	11.2	11.2	-95.21	302.0	470.8	301.9	280.2	21.69	13.919		
2,000.0	1,892.9	1,964.4	1,840.6	12.0	12.1	-94.58	323.5	510.2	323.0	299.6	23.34	13.837		
2,100.0	1,984.5	2,062.1	1,927.4	12.9	13.0	-94.02	344.9	549.6	344.1	319.1	25.00	13.767		
2,200.0	2,076.1	2,159.8	2,014.2	13.7	13.9	-93.53	366.4	589.0	365.3	338.6	26.65	13.707		
2,300.0	2,167.8	2,257.5	2,100.9	14.5	14.8	-93.09	387.9	628.3	386.4	358.1	28.30	13.656		
2,400.0	2,259.4	2,355.2	2,187.7	15.4	15.8	-92.70	409.3	667.7	407.6	377.7	29.95	13.611		
2,500.0	2,351.0	2,452.9	2,274.5	16.2	16.7	-92.34	430.8	707.1	428.8	397.2	31.60	13.572		
2,600.0	2,442.6	2,550.6	2,361.3	17.0	17.6	-92.02	452.3	746.5	450.0	416.8	33.24	13.537		
2,700.0	2,534.2	2,648.3	2,448.1	17.9	18.5	-91.73	473.8	785.9	471.3	436.4	34.89	13.506		
2,800.0	2,625.8	2,746.0	2,534.9	18.7	19.4	-91.47	495.2	825.2	492.5	456.0	36.54	13.478		
2,900.0	2,717.4	2,843.7	2,621.7	19.5	20.3	-91.22	516.7	864.6	513.7	475.6	38.19	13.453		
3,000.0	2,809.0	2,941.4	2,708.5	20.4	21.2	-91.00	538.2	904.0	535.0	495.2	39.84	13.431		
3,100.0	2,900.6	3,039.1	2,795.2	21.2	22.2	-90.79	559.7	943.4	556.3	514.8	41.48	13.410		
3,200.0	2,992.2	3,136.8	2,882.0	22.0	23.1	-90.60	581.1	982.8	577.5	534.4	43.13	13.391		
3,300.0	3,083.9	3,234.4	2,968.8	22.9	24.0	-90.42	602.6	1,022.1	598.8	554.0	44.77	13.374		
3,400.0	3,175.5	3,332.1	3,055.6	23.7	24.9	-90.25	624.1	1,061.5	620.1	573.7	46.42	13.359		
3,500.0	3,267.1	3,429.8	3,142.4	24.6	25.8	-90.10	645.5	1,100.9	641.4	593.3	48.07	13.344		
3,600.0	3,358.7	3,527.5	3,229.2	25.4	26.7	-89.95	667.0	1,140.3	662.7	613.0	49.71	13.331		
3,700.0	3,450.3	3,625.2	3,316.0	26.2	27.6	-89.81	688.5	1,179.7	684.0	632.6	51.36	13.318		
3,800.0	3,541.9	3,722.9	3,402.8	27.1	28.6	-89.69	710.0	1,219.0	705.3	652.3	53.00	13.307		
3,900.0	3,633.5	3,820.6	3,489.6	27.9	29.5	-89.57	731.4	1,258.4	726.6	671.9	54.65	13.296		
4,000.0	3,725.1	3,918.3	3,576.3	28.7	30.4	-89.45	752.9	1,297.8	747.9	691.6	56.29	13.286		
4,100.0	3,816.7	4,016.0	3,663.1	29.6	31.3	-89.34	774.4	1,337.2	769.2	711.3	57.93	13.277		
4,200.0	3,908.3	4,113.7	3,749.9	30.4	32.2	-89.24	795.9	1,376.6	790.5	730.9	59.58	13.268		
4,300.0	4,000.0	4,211.4	3,836.7	31.3	33.1	-89.15	817.3	1,416.0	811.8	750.6	61.22	13.260		
4,400.0	4,091.6	4,309.1	3,923.5	32.1	34.1	-89.05	838.8	1,455.3	833.1	770.3	62.87	13.252		
4,500.0	4,183.2	4,406.8	4,010.3	32.9	35.0	-88.97	860.3	1,494.7	854.4	789.9	64.51	13.245		
4,600.0	4,274.8	4,504.5	4,097.1	33.8	35.9	-88.89	881.8	1,534.1	875.8	809.6	66.16	13.238		
4,675.8	4,344.2	4,578.5	4,162.9	34.4	36.6	-88.82	898.0	1,564.0	891.9	824.5	67.40	13.233		
4,700.0	4,366.5	4,602.2	4,183.8	34.6	36.8	-88.95	903.2	1,573.5	897.1	829.3	67.81	13.230		
4,800.0	4,459.5	4,711.3	4,281.1	35.2	37.8	-89.28	926.9	1,616.9	918.2	848.9	69.34	13.242		

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 6/7-16-22
<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 6/7-16-22	<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		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	4,554.4	4,836.8	4,395.9	35.7	38.6	-89.46	951.2	1,661.4	937.0	866.4	70.66	13.260		
5,000.0	4,650.8	4,964.0	4,515.4	36.2	39.3	-89.62	972.0	1,699.7	953.0	881.2	71.80	13.273		
5,100.0	4,748.5	5,092.8	4,639.0	36.5	39.9	-89.75	989.2	1,731.2	965.9	893.2	72.74	13.279		
5,200.0	4,847.1	5,222.7	4,765.9	36.8	40.4	-89.84	1,002.5	1,755.6	975.9	902.4	73.48	13.281		
5,300.0	4,946.5	5,353.4	4,895.2	37.0	40.7	-89.90	1,011.7	1,772.4	982.7	908.6	74.01	13.277		
5,400.0	5,046.3	5,484.8	5,026.2	37.2	40.9	-89.94	1,016.6	1,781.4	986.3	911.9	74.36	13.264		
5,463.7	5,110.0	5,568.7	5,110.0	37.2	41.0	-0.92	1,017.5	1,783.0	986.9	912.5	74.48	13.251		
5,500.0	5,146.3	5,604.9	5,146.3	37.2	41.0	-0.92	1,017.5	1,783.0	986.9	912.4	74.52	13.244		
5,600.0	5,246.3	5,704.9	5,246.3	37.3	41.1	-0.92	1,017.5	1,783.0	986.9	912.3	74.65	13.220		
5,700.0	5,346.3	5,804.9	5,346.3	37.4	41.1	-0.92	1,017.5	1,783.0	986.9	912.1	74.79	13.196		
5,800.0	5,446.3	5,904.9	5,446.3	37.4	41.2	-0.92	1,017.5	1,783.0	986.9	912.0	74.93	13.172		
5,900.0	5,546.3	6,004.9	5,546.3	37.5	41.3	-0.92	1,017.5	1,783.0	986.9	911.9	75.07	13.148		
6,000.0	5,646.3	6,104.9	5,646.3	37.6	41.3	-0.92	1,017.5	1,783.0	986.9	911.7	75.21	13.123		
6,100.0	5,746.3	6,204.9	5,746.3	37.6	41.4	-0.92	1,017.5	1,783.0	986.9	911.6	75.35	13.098		
6,200.0	5,846.3	6,304.9	5,846.3	37.7	41.5	-0.92	1,017.5	1,783.0	986.9	911.4	75.50	13.072		
6,300.0	5,946.3	6,404.9	5,946.3	37.8	41.5	-0.92	1,017.5	1,783.0	986.9	911.3	75.65	13.046		
6,400.0	6,046.3	6,504.9	6,046.3	37.9	41.6	-0.92	1,017.5	1,783.0	986.9	911.1	75.80	13.020		
6,500.0	6,146.3	6,604.9	6,146.3	37.9	41.7	-0.92	1,017.5	1,783.0	986.9	911.0	75.95	12.994		
6,600.0	6,246.3	6,704.9	6,246.3	38.0	41.7	-0.92	1,017.5	1,783.0	986.9	910.8	76.11	12.967		
6,700.0	6,346.3	6,804.9	6,346.3	38.1	41.8	-0.92	1,017.5	1,783.0	986.9	910.7	76.27	12.940		
6,800.0	6,446.3	6,904.9	6,446.3	38.2	41.9	-0.92	1,017.5	1,783.0	986.9	910.5	76.43	12.913		
6,900.0	6,546.3	7,004.9	6,546.3	38.3	42.0	-0.92	1,017.5	1,783.0	986.9	910.3	76.59	12.886		
7,000.0	6,646.3	7,104.9	6,646.3	38.3	42.0	-0.92	1,017.5	1,783.0	986.9	910.2	76.76	12.858		
7,100.0	6,746.3	7,204.9	6,746.3	38.4	42.1	-0.92	1,017.5	1,783.0	986.9	910.0	76.93	12.830		
7,200.0	6,846.3	7,304.9	6,846.3	38.5	42.2	-0.92	1,017.5	1,783.0	986.9	909.8	77.10	12.801		
7,300.0	6,946.3	7,404.9	6,946.3	38.6	42.3	-0.92	1,017.5	1,783.0	986.9	909.7	77.27	12.773		
7,400.0	7,046.3	7,504.9	7,046.3	38.7	42.3	-0.92	1,017.5	1,783.0	986.9	909.5	77.44	12.744		
7,500.0	7,146.3	7,604.9	7,146.3	38.8	42.4	-0.92	1,017.5	1,783.0	986.9	909.3	77.62	12.715		
7,600.0	7,246.3	7,704.9	7,246.3	38.9	42.5	-0.92	1,017.5	1,783.0	986.9	909.1	77.80	12.686		
7,700.0	7,346.3	7,804.9	7,346.3	39.0	42.6	-0.92	1,017.5	1,783.0	986.9	909.0	77.98	12.656		
7,800.0	7,446.3	7,904.9	7,446.3	39.0	42.7	-0.92	1,017.5	1,783.0	986.9	908.8	78.16	12.627		
7,900.0	7,546.3	8,004.9	7,546.3	39.1	42.8	-0.92	1,017.5	1,783.0	986.9	908.6	78.35	12.597		
8,000.0	7,646.3	8,104.9	7,646.3	39.2	42.8	-0.92	1,017.5	1,783.0	986.9	908.4	78.53	12.567		
8,100.0	7,746.3	8,204.9	7,746.3	39.3	42.9	-0.92	1,017.5	1,783.0	986.9	908.2	78.72	12.537		
8,200.0	7,846.3	8,304.9	7,846.3	39.4	43.0	-0.92	1,017.5	1,783.0	986.9	908.0	78.92	12.506		
8,300.0	7,946.3	8,404.9	7,946.3	39.5	43.1	-0.92	1,017.5	1,783.0	986.9	907.8	79.11	12.475		
8,400.0	8,046.3	8,504.9	8,046.3	39.6	43.2	-0.92	1,017.5	1,783.0	986.9	907.6	79.31	12.445		
8,428.7	8,075.0	8,533.7	8,075.0	39.7	43.2	-0.92	1,017.5	1,783.0	986.9	907.6	79.36	12.436 SF		

# Anticollision Report

<b>Company:</b>	Coachman Energy Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Federal 6/7-16-22
<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 6/7-16-22	<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 6/7-14-22 - 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	29.9	-0.6	29.9					
100.0	100.0	100.0	100.0	0.1	0.1	-1.08	29.9	-0.6	29.9	29.7	0.17	179.619		
200.0	200.0	200.0	200.0	0.3	0.3	-1.08	29.9	-0.6	29.9	29.3	0.62	48.510	CC, ES	
300.0	300.0	299.5	299.4	0.5	0.5	-90.37	30.8	1.9	30.7	29.7	1.05	29.194		
400.0	399.6	398.9	398.6	0.8	0.8	-91.08	33.4	9.1	33.3	31.8	1.53	21.765		
500.0	498.8	498.3	497.1	1.1	1.1	-92.04	37.9	21.2	37.6	35.5	2.11	17.839		
600.0	597.1	597.5	594.6	1.4	1.4	-93.03	44.1	38.1	43.6	40.8	2.82	15.457		
700.0	694.3	696.5	691.0	1.9	1.8	-93.94	52.0	59.7	51.3	47.6	3.70	13.880		
800.0	790.2	795.4	785.8	2.4	2.4	-94.69	61.7	85.8	60.7	56.0	4.75	12.774		
900.0	884.4	894.0	878.8	3.0	3.0	-95.27	73.0	116.5	71.8	65.8	6.00	11.966		
987.9	965.8	980.5	958.9	3.7	3.6	-95.65	84.2	147.0	82.8	75.6	7.26	11.411		
1,000.0	976.8	992.3	969.8	3.8	3.7	-95.72	85.8	151.5	84.4	77.0	7.44	11.351		
1,100.0	1,068.4	1,090.9	1,059.3	4.6	4.5	-94.95	100.2	190.3	98.2	89.2	9.01	10.897		
1,200.0	1,160.0	1,189.9	1,148.9	5.4	5.3	-94.08	114.7	229.8	112.1	101.5	10.62	10.555		
1,300.0	1,251.7	1,289.0	1,238.5	6.2	6.2	-93.40	129.3	269.4	126.1	113.8	12.25	10.293		
1,400.0	1,343.3	1,388.0	1,328.1	7.0	7.0	-92.86	143.8	308.9	140.1	126.2	13.89	10.087		
1,500.0	1,434.9	1,487.0	1,417.7	7.9	7.9	-92.42	158.3	348.4	154.0	138.5	15.53	9.921		
1,600.0	1,526.5	1,586.0	1,507.3	8.7	8.8	-92.05	172.9	387.9	168.0	150.8	17.17	9.785		
1,700.0	1,618.1	1,685.0	1,597.0	9.5	9.6	-91.74	187.4	427.4	182.0	163.2	18.82	9.673		
1,800.0	1,709.7	1,784.0	1,686.6	10.4	10.5	-91.47	202.0	466.9	196.0	175.5	20.47	9.577		
1,900.0	1,801.3	1,883.0	1,776.2	11.2	11.3	-91.23	216.5	506.4	210.0	187.9	22.12	9.495		
2,000.0	1,892.9	1,982.0	1,865.8	12.0	12.2	-91.03	231.1	545.9	224.0	200.2	23.77	9.424		
2,100.0	1,984.5	2,081.1	1,955.4	12.9	13.1	-90.85	245.6	585.5	238.0	212.6	25.42	9.362		
2,200.0	2,076.1	2,180.1	2,045.0	13.7	13.9	-90.69	260.2	625.0	252.0	224.9	27.07	9.307		
2,300.0	2,167.8	2,279.1	2,134.6	14.5	14.8	-90.55	274.7	664.5	266.0	237.3	28.73	9.259		
2,400.0	2,259.4	2,378.1	2,224.3	15.4	15.6	-90.42	289.3	704.0	280.0	249.6	30.38	9.215		
2,500.0	2,351.0	2,477.1	2,313.9	16.2	16.5	-90.31	303.8	743.5	294.0	262.0	32.04	9.177		
2,600.0	2,442.6	2,576.1	2,403.5	17.0	17.4	-90.20	318.4	783.0	308.0	274.3	33.70	9.141		
2,700.0	2,534.2	2,675.1	2,493.1	17.9	18.2	-90.10	332.9	822.5	322.0	286.7	35.35	9.109		
2,800.0	2,625.8	2,774.1	2,582.7	18.7	19.1	-90.01	347.5	862.0	336.0	299.0	37.01	9.080		
2,900.0	2,717.4	2,873.2	2,672.3	19.5	20.0	-89.93	362.0	901.6	350.0	311.4	38.66	9.054		
3,000.0	2,809.0	2,972.2	2,761.9	20.4	20.8	-89.86	376.6	941.1	364.1	323.7	40.32	9.029		
3,100.0	2,900.6	3,071.2	2,851.5	21.2	21.7	-89.79	391.1	980.6	378.1	336.1	41.98	9.006		
3,200.0	2,992.2	3,170.2	2,941.2	22.0	22.6	-89.72	405.7	1,020.1	392.1	348.5	43.63	8.986		
3,300.0	3,083.9	3,269.2	3,030.8	22.9	23.4	-89.66	420.2	1,059.6	406.1	360.8	45.29	8.966		
3,400.0	3,175.5	3,368.2	3,120.4	23.7	24.3	-89.61	434.8	1,099.1	420.1	373.2	46.95	8.948		
3,500.0	3,267.1	3,467.2	3,210.0	24.6	25.2	-89.56	449.3	1,138.6	434.1	385.5	48.61	8.931		
3,600.0	3,358.7	3,566.2	3,299.6	25.4	26.0	-89.51	463.9	1,178.1	448.1	397.9	50.26	8.916		
3,700.0	3,450.3	3,665.3	3,389.2	26.2	26.9	-89.46	478.4	1,217.7	462.2	410.2	51.92	8.901		
3,800.0	3,541.9	3,764.3	3,478.8	27.1	27.8	-89.42	492.9	1,257.2	476.2	422.6	53.58	8.887		
3,900.0	3,633.5	3,863.3	3,568.5	27.9	28.6	-89.38	507.5	1,296.7	490.2	434.9	55.24	8.874		
4,000.0	3,725.1	3,962.3	3,658.1	28.7	29.5	-89.34	522.0	1,336.2	504.2	447.3	56.90	8.862		
4,100.0	3,816.7	4,061.3	3,747.7	29.6	30.4	-89.30	536.6	1,375.7	518.2	459.7	58.55	8.850		
4,200.0	3,908.3	4,160.3	3,837.3	30.4	31.2	-89.27	551.1	1,415.2	532.2	472.0	60.21	8.839		
4,300.0	4,000.0	4,259.3	3,926.9	31.3	32.1	-89.23	565.7	1,454.7	546.2	484.4	61.87	8.829		
4,400.0	4,091.6	4,358.3	4,016.5	32.1	33.0	-89.20	580.2	1,494.2	560.3	496.7	63.53	8.819		
4,500.0	4,183.2	4,457.4	4,106.1	32.9	33.8	-89.17	594.8	1,533.8	574.3	509.1	65.19	8.810		
4,600.0	4,274.8	4,556.4	4,195.8	33.8	34.7	-89.14	609.3	1,573.3	588.3	521.5	66.84	8.801		
4,675.8	4,344.2	4,631.4	4,263.7	34.4	35.3	-89.12	620.4	1,603.2	598.9	530.8	68.10	8.795		
4,700.0	4,366.5	4,655.4	4,285.4	34.6	35.6	-89.20	623.9	1,612.8	602.3	533.8	68.49	8.794		
4,800.0	4,459.5	4,764.1	4,384.7	35.2	36.3	-89.39	639.1	1,654.1	615.7	545.8	69.87	8.813		
4,900.0	4,554.4	4,875.0	4,488.5	35.7	37.0	-89.54	652.6	1,690.9	627.4	556.3	71.04	8.831		

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 6/7-16-22
<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 6/7-16-22	<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 6/7-14-22 - 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)					
5,000.0	4,650.8	4,986.5	4,594.9	36.2	37.5	-89.67	664.1	1,722.0	637.2	565.1	72.03	8.846	
5,100.0	4,748.5	5,098.4	4,703.5	36.5	38.0	-89.77	673.4	1,747.3	645.1	572.3	72.85	8.856	
5,200.0	4,847.1	5,210.7	4,813.9	36.8	38.4	-89.85	680.6	1,766.7	651.2	577.7	73.48	8.862	
5,300.0	4,946.5	5,323.3	4,925.6	37.0	38.6	-89.90	685.5	1,780.0	655.3	581.4	73.95	8.863	
5,400.0	5,046.3	5,436.1	5,038.1	37.2	38.8	-89.93	688.1	1,787.1	657.6	583.3	74.24	8.857	
5,463.7	5,110.0	5,508.0	5,110.0	37.2	38.8	-0.91	688.5	1,788.4	658.0	583.6	74.35	8.849	
5,500.0	5,146.3	5,544.3	5,146.3	37.2	38.9	-0.91	688.5	1,788.4	658.0	583.6	74.40	8.844	
5,600.0	5,246.3	5,644.3	5,246.3	37.3	38.9	-0.91	688.5	1,788.4	658.0	583.4	74.53	8.828	
5,700.0	5,346.3	5,744.3	5,346.3	37.4	39.0	-0.91	688.5	1,788.4	658.0	583.3	74.66	8.812	
5,800.0	5,446.3	5,844.3	5,446.3	37.4	39.0	-0.91	688.5	1,788.4	658.0	583.2	74.80	8.796	
5,900.0	5,546.3	5,944.3	5,546.3	37.5	39.1	-0.91	688.5	1,788.4	658.0	583.0	74.94	8.780	
6,000.0	5,646.3	6,044.3	5,646.3	37.6	39.2	-0.91	688.5	1,788.4	658.0	582.9	75.08	8.763	
6,100.0	5,746.3	6,144.3	5,746.3	37.6	39.2	-0.91	688.5	1,788.4	658.0	582.7	75.23	8.746	
6,200.0	5,846.3	6,244.3	5,846.3	37.7	39.3	-0.91	688.5	1,788.4	658.0	582.6	75.38	8.729	
6,300.0	5,946.3	6,344.3	5,946.3	37.8	39.4	-0.91	688.5	1,788.4	658.0	582.4	75.53	8.712	
6,400.0	6,046.3	6,444.3	6,046.3	37.9	39.5	-0.91	688.5	1,788.4	658.0	582.3	75.68	8.694	
6,500.0	6,146.3	6,544.3	6,146.3	37.9	39.5	-0.91	688.5	1,788.4	658.0	582.1	75.83	8.676	
6,600.0	6,246.3	6,644.3	6,246.3	38.0	39.6	-0.91	688.5	1,788.4	658.0	582.0	75.99	8.659	
6,700.0	6,346.3	6,744.3	6,346.3	38.1	39.7	-0.91	688.5	1,788.4	658.0	581.8	76.15	8.640	
6,800.0	6,446.3	6,844.3	6,446.3	38.2	39.8	-0.91	688.5	1,788.4	658.0	581.6	76.31	8.622	
6,900.0	6,546.3	6,944.3	6,546.3	38.3	39.8	-0.91	688.5	1,788.4	658.0	581.5	76.47	8.604	
7,000.0	6,646.3	7,044.3	6,646.3	38.3	39.9	-0.91	688.5	1,788.4	658.0	581.3	76.64	8.585	
7,100.0	6,746.3	7,144.3	6,746.3	38.4	40.0	-0.91	688.5	1,788.4	658.0	581.1	76.81	8.566	
7,200.0	6,846.3	7,244.3	6,846.3	38.5	40.1	-0.91	688.5	1,788.4	658.0	581.0	76.98	8.547	
7,300.0	6,946.3	7,344.3	6,946.3	38.6	40.2	-0.91	688.5	1,788.4	658.0	580.8	77.15	8.528	
7,400.0	7,046.3	7,444.3	7,046.3	38.7	40.3	-0.91	688.5	1,788.4	658.0	580.6	77.33	8.509	
7,500.0	7,146.3	7,544.3	7,146.3	38.8	40.3	-0.91	688.5	1,788.4	658.0	580.4	77.50	8.489	
7,600.0	7,246.3	7,644.3	7,246.3	38.9	40.4	-0.91	688.5	1,788.4	658.0	580.3	77.68	8.470	
7,700.0	7,346.3	7,744.3	7,346.3	39.0	40.5	-0.91	688.5	1,788.4	658.0	580.1	77.87	8.450	
7,800.0	7,446.3	7,844.3	7,446.3	39.0	40.6	-0.91	688.5	1,788.4	658.0	579.9	78.05	8.430	
7,900.0	7,546.3	7,944.3	7,546.3	39.1	40.7	-0.91	688.5	1,788.4	658.0	579.7	78.24	8.410	
8,000.0	7,646.3	8,044.3	7,646.3	39.2	40.8	-0.91	688.5	1,788.4	658.0	579.5	78.42	8.390	
8,100.0	7,746.3	8,144.3	7,746.3	39.3	40.9	-0.91	688.5	1,788.4	658.0	579.3	78.61	8.369	
8,200.0	7,846.3	8,244.3	7,846.3	39.4	41.0	-0.91	688.5	1,788.4	658.0	579.1	78.81	8.349	
8,300.0	7,946.3	8,344.3	7,946.3	39.5	41.1	-0.91	688.5	1,788.4	658.0	579.0	79.00	8.328	
8,400.0	8,046.3	8,444.3	8,046.3	39.6	41.2	-0.91	688.5	1,788.4	658.0	578.8	79.20	8.308	
8,428.7	8,075.0	8,473.0	8,075.0	39.7	41.2	-0.91	688.5	1,788.4	658.0	578.7	79.25	8.302 SF	

# Anticollision Report

<b>Company:</b>	Coachman Energy Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Federal 6/7-16-22
<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 6/7-16-22	<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		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	-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 CC		
207.8	207.8	207.8	207.8	0.3	0.3	-90.17	14.9	-0.3	14.9	14.3	0.65	22.964		
300.0	300.0	299.9	299.9	0.5	0.5	-97.56	15.1	0.4	15.2	14.1	1.05	14.414 ES		
400.0	399.6	399.9	399.8	0.8	0.8	-106.37	16.0	5.5	16.6	15.1	1.52	10.939		
500.0	498.8	500.0	499.3	1.1	1.0	-112.73	18.0	15.8	19.3	17.2	2.08	9.269		
600.0	597.1	600.3	598.3	1.4	1.3	-116.61	21.0	31.2	22.9	20.1	2.74	8.347		
700.0	694.3	700.6	696.4	1.9	1.7	-118.57	24.9	51.7	27.4	23.9	3.53	7.753		
800.0	790.2	800.9	793.3	2.4	2.2	-119.25	29.8	77.2	32.7	28.2	4.48	7.307		
900.0	884.4	901.4	888.8	3.0	2.8	-119.12	35.7	107.8	38.8	33.2	5.60	6.933		
987.9	965.8	989.8	971.4	3.7	3.4	-118.59	41.6	138.7	44.8	38.1	6.75	6.638		
1,000.0	976.8	1,001.9	982.6	3.8	3.5	-118.48	42.5	143.2	45.7	38.8	6.92	6.602		
1,100.0	1,068.4	1,102.1	1,074.3	4.6	4.3	-115.04	50.1	182.9	52.0	43.5	8.47	6.137		
1,200.0	1,160.0	1,201.9	1,165.2	5.4	5.1	-111.47	57.9	223.3	58.2	48.1	10.12	5.752		
1,300.0	1,251.7	1,301.6	1,256.1	6.2	5.9	-108.61	65.7	263.7	64.7	52.9	11.81	5.477		
1,400.0	1,343.3	1,401.4	1,346.9	7.0	6.7	-106.26	73.4	304.1	71.2	57.7	13.50	5.274		
1,500.0	1,434.9	1,501.1	1,437.8	7.9	7.6	-104.31	81.2	344.5	77.9	62.7	15.21	5.122		
1,600.0	1,526.5	1,600.9	1,528.7	8.7	8.4	-102.67	88.9	384.9	84.6	67.7	16.91	5.005		
1,700.0	1,618.1	1,700.6	1,619.5	9.5	9.3	-101.28	96.7	425.3	91.4	72.8	18.61	4.912		
1,800.0	1,709.7	1,800.4	1,710.4	10.4	10.1	-100.07	104.5	465.7	98.3	77.9	20.31	4.838		
1,900.0	1,801.3	1,900.1	1,801.3	11.2	11.0	-99.03	112.2	506.1	105.1	83.1	22.00	4.777		
2,000.0	1,892.9	1,999.8	1,892.1	12.0	11.8	-98.11	120.0	546.5	112.0	88.3	23.70	4.727		
2,100.0	1,984.5	2,099.6	1,983.0	12.9	12.7	-97.30	127.7	586.9	119.0	93.6	25.39	4.685		
2,200.0	2,076.1	2,199.3	2,073.9	13.7	13.5	-96.58	135.5	627.3	125.9	98.8	27.08	4.650		
2,300.0	2,167.8	2,299.1	2,164.8	14.5	14.4	-95.93	143.3	667.7	132.9	104.1	28.77	4.619		
2,400.0	2,259.4	2,398.8	2,255.6	15.4	15.2	-95.35	151.0	708.1	139.9	109.4	30.46	4.593		
2,500.0	2,351.0	2,498.6	2,346.5	16.2	16.1	-94.83	158.8	748.5	146.9	114.7	32.14	4.570		
2,600.0	2,442.6	2,598.3	2,437.4	17.0	16.9	-94.35	166.5	788.9	153.9	120.1	33.83	4.550		
2,700.0	2,534.2	2,698.1	2,528.2	17.9	17.8	-93.91	174.3	829.3	160.9	125.4	35.51	4.532		
2,800.0	2,625.8	2,797.8	2,619.1	18.7	18.6	-93.51	182.1	869.7	167.9	130.8	37.19	4.516		
2,900.0	2,717.4	2,897.6	2,710.0	19.5	19.5	-93.15	189.8	910.1	175.0	136.1	38.87	4.502		
3,000.0	2,809.0	2,997.3	2,800.8	20.4	20.3	-92.81	197.6	950.5	182.0	141.5	40.55	4.489		
3,100.0	2,900.6	3,097.1	2,891.7	21.2	21.2	-92.49	205.4	990.9	189.1	146.9	42.23	4.478		
3,200.0	2,992.2	3,196.8	2,982.6	22.0	22.0	-92.20	213.1	1,031.3	196.1	152.2	43.90	4.467		
3,300.0	3,083.9	3,296.5	3,073.4	22.9	22.9	-91.93	220.9	1,071.7	203.2	157.6	45.58	4.458		
3,400.0	3,175.5	3,396.3	3,164.3	23.7	23.7	-91.68	228.6	1,112.1	210.3	163.0	47.25	4.450		
3,500.0	3,267.1	3,496.0	3,255.2	24.6	24.6	-91.44	236.4	1,152.4	217.3	168.4	48.93	4.442		
3,600.0	3,358.7	3,595.8	3,346.1	25.4	25.4	-91.22	244.2	1,192.8	224.4	173.8	50.60	4.434		
3,700.0	3,450.3	3,695.5	3,436.9	26.2	26.3	-91.01	251.9	1,233.2	231.5	179.2	52.28	4.428		
3,800.0	3,541.9	3,795.3	3,527.8	27.1	27.1	-90.82	259.7	1,273.6	238.5	184.6	53.95	4.421		
3,900.0	3,633.5	3,895.0	3,618.7	27.9	28.0	-90.63	267.4	1,314.0	245.6	190.0	55.63	4.416		
4,000.0	3,725.1	3,994.8	3,709.5	28.7	28.8	-90.46	275.2	1,354.4	252.7	195.4	57.30	4.410		
4,100.0	3,816.7	4,094.5	3,800.4	29.6	29.7	-90.29	283.0	1,394.8	259.8	200.8	58.98	4.405		
4,200.0	3,908.3	4,194.3	3,891.3	30.4	30.6	-90.14	290.7	1,435.2	266.9	206.2	60.65	4.400		
4,300.0	4,000.0	4,294.0	3,982.1	31.3	31.4	-89.99	298.5	1,475.6	274.0	211.6	62.32	4.396		
4,400.0	4,091.6	4,393.8	4,073.0	32.1	32.3	-89.85	306.2	1,516.0	281.1	217.1	64.00	4.392		
4,500.0	4,183.2	4,493.5	4,163.9	32.9	33.1	-89.71	314.0	1,556.4	288.2	222.5	65.67	4.388		
4,600.0	4,274.8	4,593.2	4,254.7	33.8	34.0	-89.59	321.8	1,596.8	295.2	227.9	67.34	4.384		
4,675.8	4,344.2	4,668.9	4,323.7	34.4	34.6	-89.50	327.6	1,627.4	300.6	232.0	68.61	4.382		
4,700.0	4,366.5	4,693.7	4,346.3	34.6	34.8	-89.52	329.5	1,637.3	302.3	233.3	68.98	4.383		
4,800.0	4,459.5	4,796.2	4,441.4	35.2	35.5	-89.62	336.8	1,675.1	308.8	238.5	70.24	4.396		

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 6/7-16-22
<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 6/7-16-22	<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		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	4,554.4	4,898.9	4,538.4	35.7	36.0	-89.70	343.1	1,707.8	314.3	243.0	71.32	4.407		
5,000.0	4,650.8	5,001.7	4,637.3	36.2	36.5	-89.77	348.4	1,735.4	319.1	246.8	72.24	4.417		
5,100.0	4,748.5	5,104.6	4,737.6	36.5	36.9	-89.82	352.7	1,757.8	322.9	249.9	72.99	4.424		
5,200.0	4,847.1	5,207.5	4,839.1	36.8	37.2	-89.86	356.0	1,774.8	325.8	252.2	73.57	4.428		
5,300.0	4,946.5	5,310.6	4,941.5	37.0	37.4	-89.89	358.2	1,786.5	327.7	253.7	74.00	4.429		
5,400.0	5,046.3	5,413.6	5,044.3	37.2	37.5	-89.91	359.4	1,792.7	328.8	254.5	74.27	4.427		
5,463.7	5,110.0	5,479.3	5,110.0	37.2	37.6	-0.89	359.6	1,793.8	329.0	254.6	74.37	4.423		
5,500.0	5,146.3	5,515.6	5,146.3	37.2	37.6	-0.89	359.6	1,793.8	329.0	254.6	74.42	4.421		
5,600.0	5,246.3	5,615.6	5,246.3	37.3	37.7	-0.89	359.6	1,793.8	329.0	254.4	74.55	4.413		
5,700.0	5,346.3	5,715.6	5,346.3	37.4	37.7	-0.89	359.6	1,793.8	329.0	254.3	74.69	4.405		
5,800.0	5,446.3	5,815.6	5,446.3	37.4	37.8	-0.89	359.6	1,793.8	329.0	254.1	74.83	4.397		
5,900.0	5,546.3	5,915.6	5,546.3	37.5	37.9	-0.89	359.6	1,793.8	329.0	254.0	74.97	4.388		
6,000.0	5,646.3	6,015.6	5,646.3	37.6	37.9	-0.89	359.6	1,793.8	329.0	253.9	75.11	4.380		
6,100.0	5,746.3	6,115.6	5,746.3	37.6	38.0	-0.89	359.6	1,793.8	329.0	253.7	75.25	4.372		
6,200.0	5,846.3	6,215.6	5,846.3	37.7	38.1	-0.89	359.6	1,793.8	329.0	253.6	75.40	4.363		
6,300.0	5,946.3	6,315.6	5,946.3	37.8	38.2	-0.89	359.6	1,793.8	329.0	253.4	75.55	4.354		
6,400.0	6,046.3	6,415.6	6,046.3	37.9	38.2	-0.89	359.6	1,793.8	329.0	253.3	75.70	4.346		
6,500.0	6,146.3	6,515.6	6,146.3	37.9	38.3	-0.89	359.6	1,793.8	329.0	253.1	75.86	4.337		
6,600.0	6,246.3	6,615.6	6,246.3	38.0	38.4	-0.89	359.6	1,793.8	329.0	253.0	76.01	4.328		
6,700.0	6,346.3	6,715.6	6,346.3	38.1	38.5	-0.89	359.6	1,793.8	329.0	252.8	76.17	4.319		
6,800.0	6,446.3	6,815.6	6,446.3	38.2	38.6	-0.89	359.6	1,793.8	329.0	252.6	76.34	4.310		
6,900.0	6,546.3	6,915.6	6,546.3	38.3	38.6	-0.89	359.6	1,793.8	329.0	252.5	76.50	4.300		
7,000.0	6,646.3	7,015.6	6,646.3	38.3	38.7	-0.89	359.6	1,793.8	329.0	252.3	76.67	4.291		
7,100.0	6,746.3	7,115.6	6,746.3	38.4	38.8	-0.89	359.6	1,793.8	329.0	252.1	76.83	4.282		
7,200.0	6,846.3	7,215.6	6,846.3	38.5	38.9	-0.89	359.6	1,793.8	329.0	252.0	77.01	4.272		
7,300.0	6,946.3	7,315.6	6,946.3	38.6	39.0	-0.89	359.6	1,793.8	329.0	251.8	77.18	4.263		
7,400.0	7,046.3	7,415.6	7,046.3	38.7	39.1	-0.89	359.6	1,793.8	329.0	251.6	77.35	4.253		
7,500.0	7,146.3	7,515.6	7,146.3	38.8	39.1	-0.89	359.6	1,793.8	329.0	251.4	77.53	4.243		
7,600.0	7,246.3	7,615.6	7,246.3	38.9	39.2	-0.89	359.6	1,793.8	329.0	251.3	77.71	4.233		
7,700.0	7,346.3	7,715.6	7,346.3	39.0	39.3	-0.89	359.6	1,793.8	329.0	251.1	77.89	4.223		
7,800.0	7,446.3	7,815.6	7,446.3	39.0	39.4	-0.89	359.6	1,793.8	329.0	250.9	78.08	4.213		
7,900.0	7,546.3	7,915.6	7,546.3	39.1	39.5	-0.89	359.6	1,793.8	329.0	250.7	78.26	4.203		
8,000.0	7,646.3	8,015.6	7,646.3	39.2	39.6	-0.89	359.6	1,793.8	329.0	250.5	78.45	4.193		
8,100.0	7,746.3	8,115.6	7,746.3	39.3	39.7	-0.89	359.6	1,793.8	329.0	250.3	78.64	4.183		
8,200.0	7,846.3	8,215.6	7,846.3	39.4	39.8	-0.89	359.6	1,793.8	329.0	250.1	78.83	4.173		
8,300.0	7,946.3	8,315.6	7,946.3	39.5	39.9	-0.89	359.6	1,793.8	329.0	249.9	79.03	4.163		
8,400.0	8,046.3	8,415.6	8,046.3	39.6	40.0	-0.89	359.6	1,793.8	329.0	249.7	79.23	4.152		
8,428.7	8,075.0	8,444.3	8,075.0	39.7	40.0	-0.89	359.6	1,793.8	329.0	249.7	79.28	4.149 SF		

## Anticollision Report

<b>Company:</b>	Coachman Energy Operating Company, LLC	<b>Local Co-ordinate Reference:</b>	Well Federal 6/7-16-22
<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 6/7-16-22	<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 6/7-16-22  
Coordinate System is US State Plane 1983, Colorado Northern Zone  
Grid Convergence at Surface is: -1.32°

