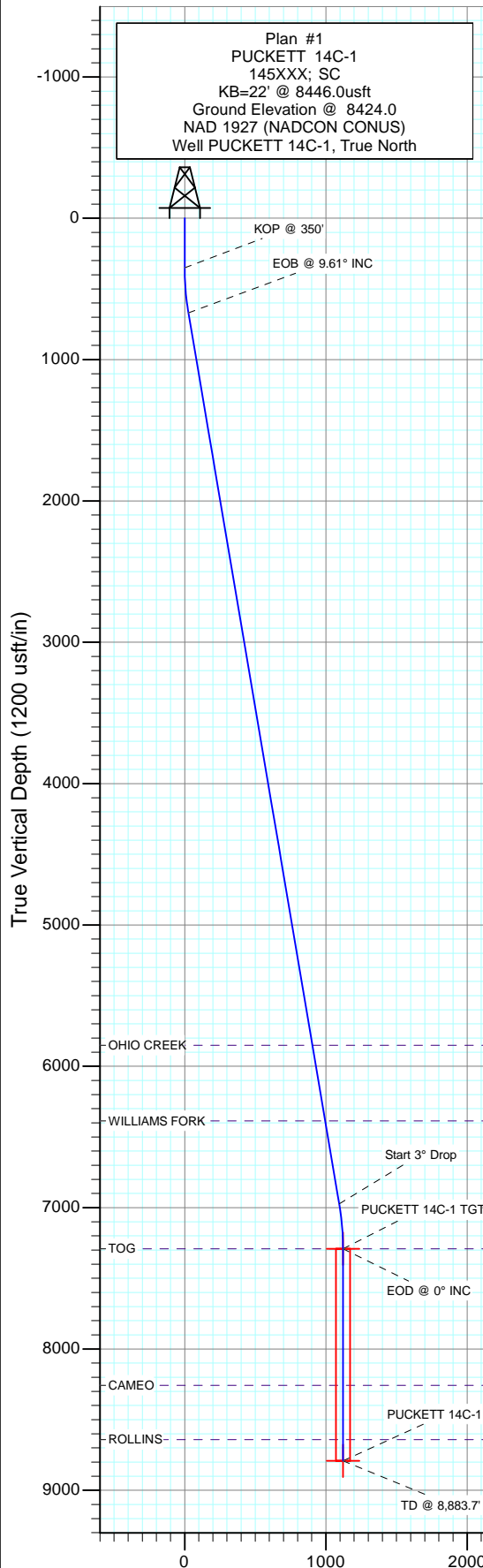
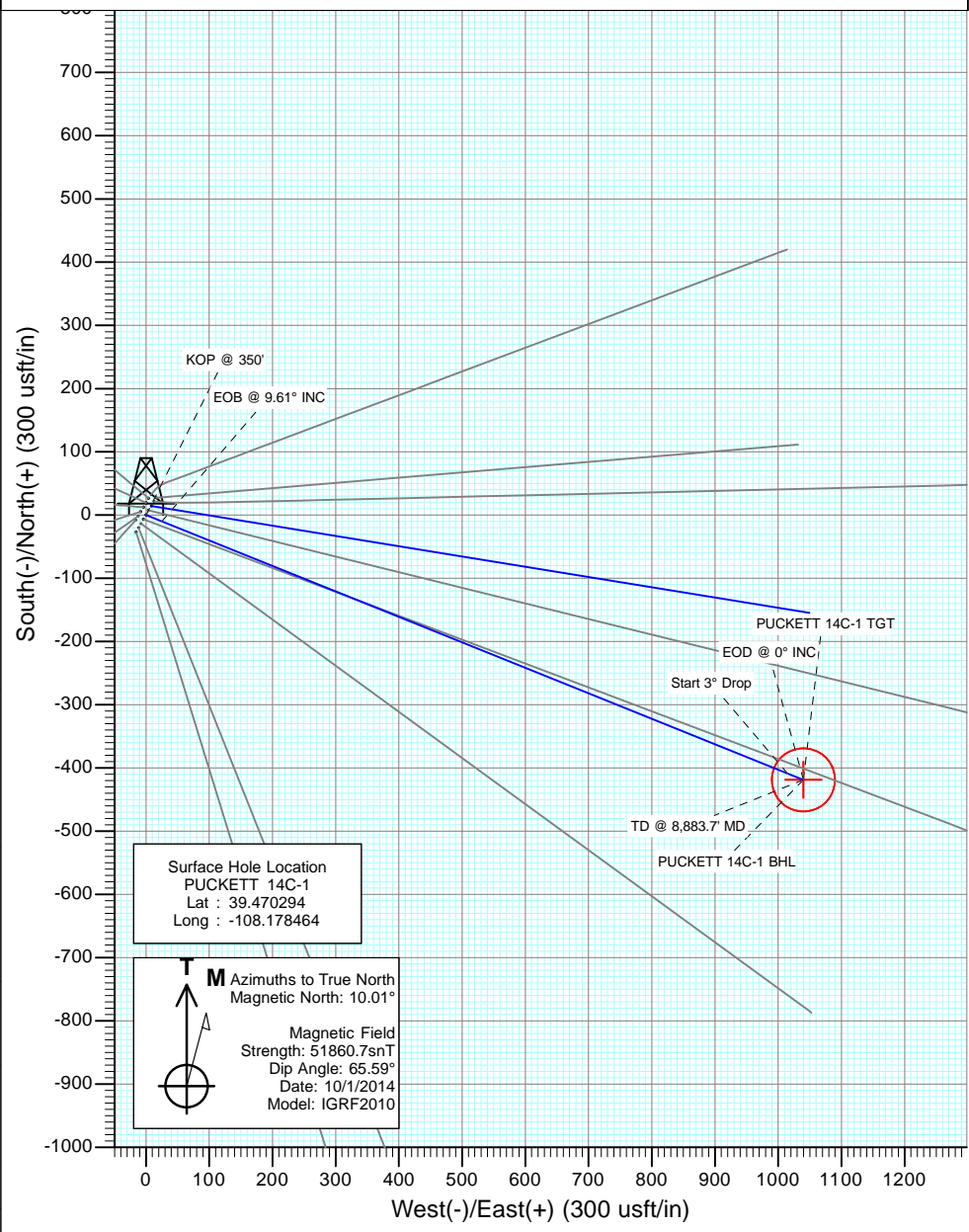




Project: Garfield County, CO
 Site: S2-T7S-R97W (Puckett Pad P2)
 Well: PUCKETT 14C-1
 Vellbore: DD
 Design: Plan #1

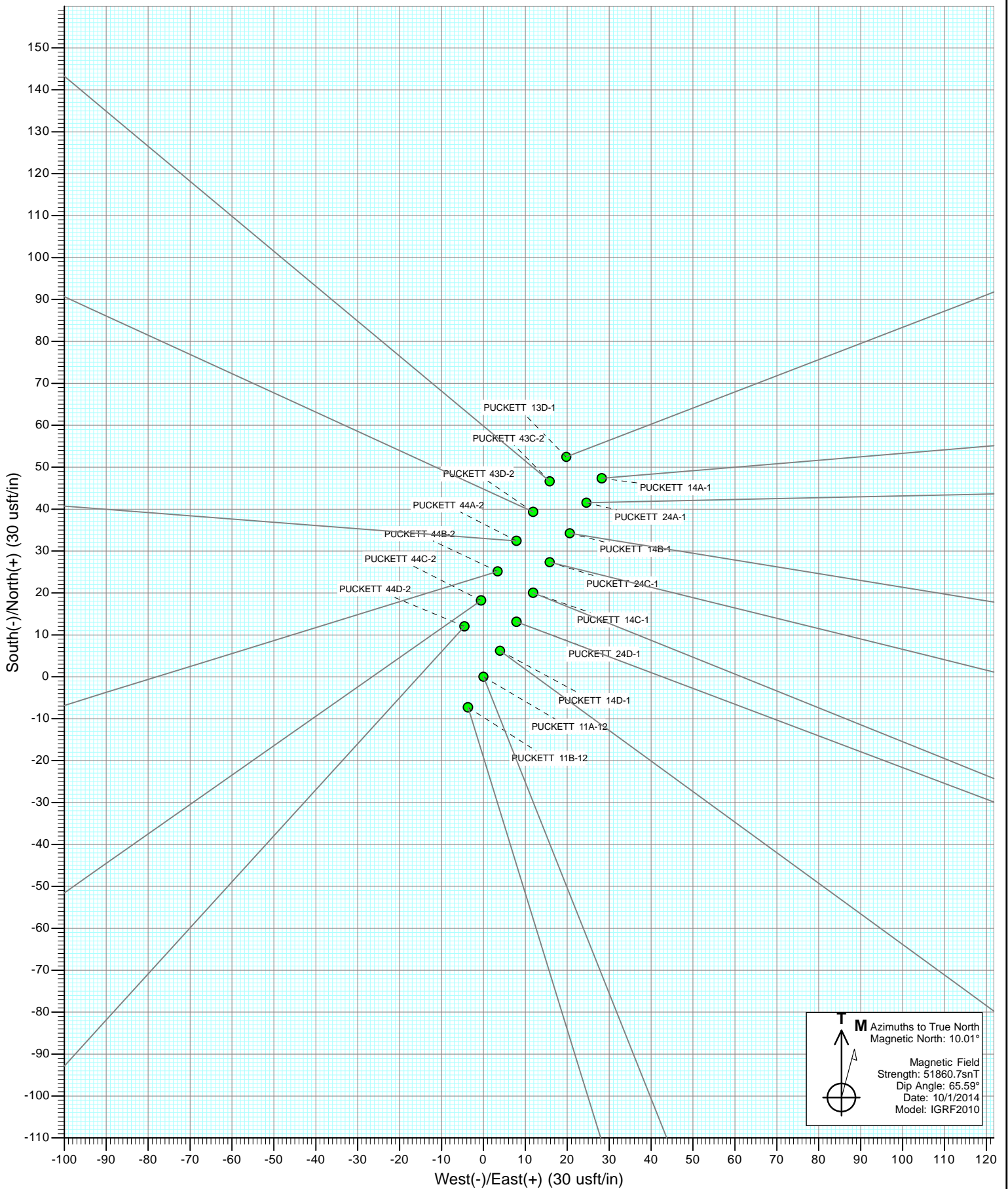


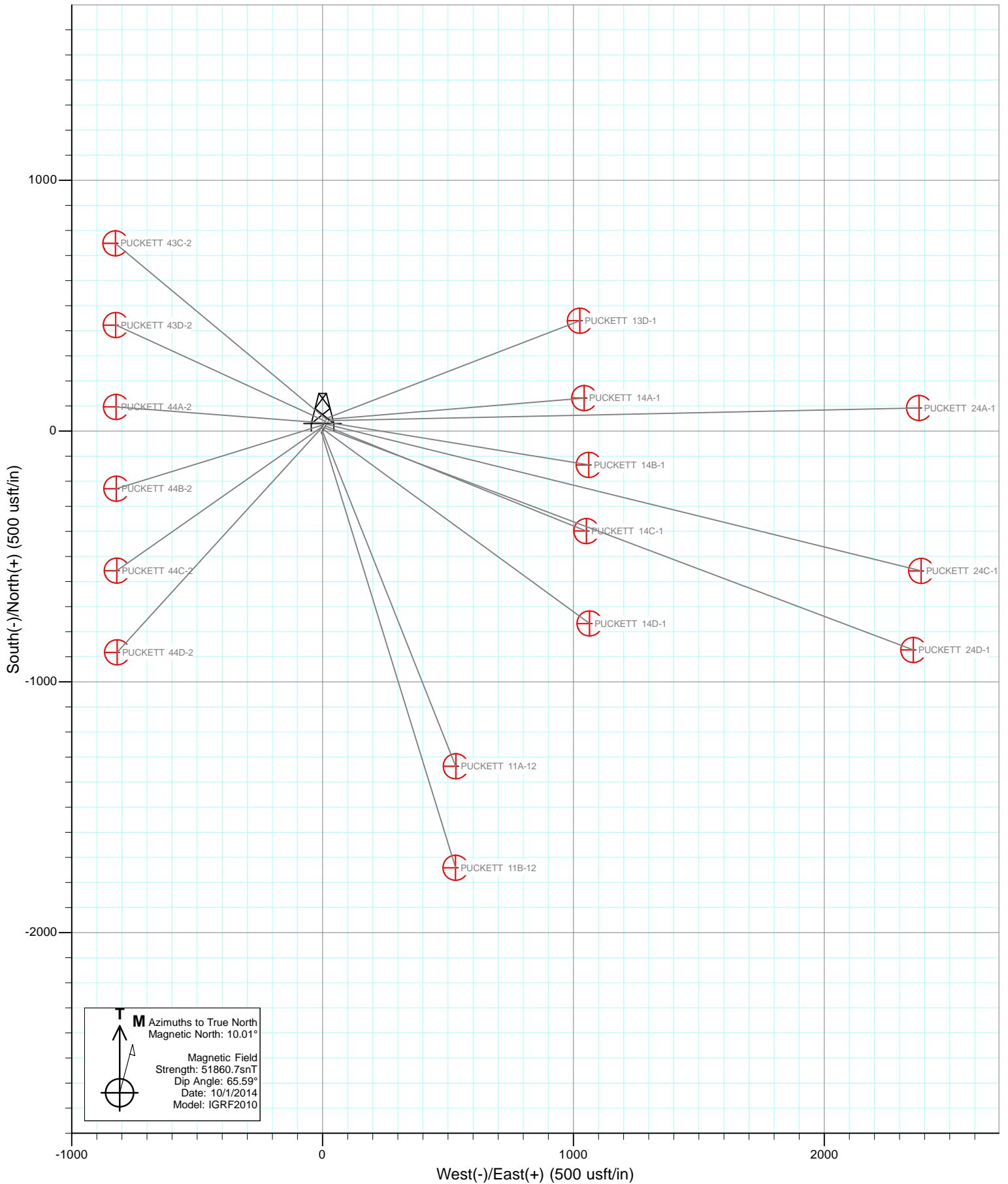
SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	350.0	0.00	0.00	350.0	0.0	0.0	0.00	0.00	0.0	
3	670.4	9.61	111.94	668.9	-10.0	24.9	3.00	111.94	26.8	
4	7063.4	9.61	111.94	6972.1	-408.8	1014.9	0.00	0.00	1094.1	
5	7383.7	0.00	0.00	7291.0	-418.8	1039.8	3.00	180.00	1121.0	PUCKETT 14C-1 TGT
6	8883.7	0.00	0.00	8791.0	-418.8	1039.8	0.00	0.00	1121.0	PUCKETT 14C-1 BHL



DESIGN TARGET DETAILS						
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
PUCKETT 14C-1 TGT	-418.8	1039.8	606868.60	1244977.05	39.469144	-108.174781
PUCKETT 14C-1 BHL	-418.8	1039.8	606868.60	1244977.05	39.469144	-108.174781

Vertical Section at 111.94° (1200 usft/in)





Cathedral Energy Services

Planning Report

Database: USA EDM 5000 Multi Users DB	Local Co-ordinate Reference: Well PUCKETT 14C-1
Company: Caerus Oil & Gas (NAD 27)	TVD Reference: KB=22' @ 8446.0usft
Project: Garfield County, CO	MD Reference: KB=22' @ 8446.0usft
Site: S2-T7S-R97W (Puckett Pad P2)	North Reference: True
Well: PUCKETT 14C-1	Survey Calculation Method: Minimum Curvature
Wellbore: DD	
Design: Plan #1	

Project Garfield County, CO		
Map System: US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum: NAD 1927 (NADCON CONUS)		
Map Zone: Colorado Central 502		

Site S2-T7S-R97W (Puckett Pad P2)					
Site Position:		Northing:	607,291.06 usft	Latitude:	39.470219
From: Lat/Long		Easting:	1,243,933.75 usft	Longitude:	-108.178519
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16"	Grid Convergence:	-1.69 °

Well PUCKETT 14C-1						
Well Position	+N/-S	0.0 usft	Northing:	607,317.90 usft	Latitude:	39.470294
	+E/-W	0.0 usft	Easting:	1,243,950.08 usft	Longitude:	-108.178464
Position Uncertainty		0.0 usft	Wellhead Elevation:	0.0 usft	Ground Level:	8,424.0 usft

Wellbore DD					
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	IGRF2010	10/1/2014	10.00	65.59	51,861

Design Plan #1					
Audit Notes:					
Version:	Phase:	PLAN	Tie On Depth:	0.0	
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction	
	(usft)	(usft)	(usft)	(°)	
	0.0	0.0	0.0	111.94	

Plan Sections										
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	
350.0	0.00	0.00	350.0	0.0	0.0	0.00	0.00	0.00	0.00	
670.4	9.61	111.94	668.9	-10.0	24.9	3.00	3.00	0.00	111.94	
7,063.4	9.61	111.94	6,972.1	-408.8	1,014.9	0.00	0.00	0.00	0.00	
7,383.7	0.00	0.00	7,291.0	-418.8	1,039.8	3.00	-3.00	0.00	180.00	PUCKETT 14C-1 TG1
8,883.7	0.00	0.00	8,791.0	-418.8	1,039.8	0.00	0.00	0.00	0.00	PUCKETT 14C-1 BHL

Cathedral Energy Services

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well PUCKETT 14C-1
Company:	Caerus Oil & Gas (NAD 27)	TVD Reference:	KB=22' @ 8446.0usft
Project:	Garfield County, CO	MD Reference:	KB=22' @ 8446.0usft
Site:	S2-T7S-R97W (Puckett Pad P2)	North Reference:	True
Well:	PUCKETT 14C-1	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	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	
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	
350.0	0.00	0.00	350.0	0.0	0.0	0.0	0.00	0.00	KOP @ 350'
400.0	1.50	111.94	400.0	-0.2	0.6	0.7	3.00	3.00	
500.0	4.50	111.94	499.8	-2.2	5.5	5.9	3.00	3.00	
600.0	7.50	111.94	599.3	-6.1	15.2	16.3	3.00	3.00	
670.4	9.61	111.94	668.9	-10.0	24.9	26.8	3.00	3.00	EOB @ 9.61° INC
700.0	9.61	111.94	698.1	-11.9	29.5	31.8	0.00	0.00	
800.0	9.61	111.94	796.7	-18.1	44.9	48.4	0.00	0.00	
900.0	9.61	111.94	895.3	-24.3	60.4	65.1	0.00	0.00	
1,000.0	9.61	111.94	993.9	-30.6	75.9	81.8	0.00	0.00	
1,100.0	9.61	111.94	1,092.5	-36.8	91.4	98.5	0.00	0.00	
1,200.0	9.61	111.94	1,191.1	-43.1	106.9	115.2	0.00	0.00	
1,300.0	9.61	111.94	1,289.7	-49.3	122.4	131.9	0.00	0.00	
1,400.0	9.61	111.94	1,388.3	-55.5	137.9	148.6	0.00	0.00	
1,500.0	9.61	111.94	1,486.9	-61.8	153.3	165.3	0.00	0.00	
1,600.0	9.61	111.94	1,585.5	-68.0	168.8	182.0	0.00	0.00	
1,700.0	9.61	111.94	1,684.0	-74.2	184.3	198.7	0.00	0.00	
1,800.0	9.61	111.94	1,782.6	-80.5	199.8	215.4	0.00	0.00	
1,900.0	9.61	111.94	1,881.2	-86.7	215.3	232.1	0.00	0.00	
2,000.0	9.61	111.94	1,979.8	-93.0	230.8	248.8	0.00	0.00	
2,100.0	9.61	111.94	2,078.4	-99.2	246.3	265.5	0.00	0.00	
2,200.0	9.61	111.94	2,177.0	-105.4	261.7	282.2	0.00	0.00	
2,300.0	9.61	111.94	2,275.6	-111.7	277.2	298.9	0.00	0.00	
2,400.0	9.61	111.94	2,374.2	-117.9	292.7	315.6	0.00	0.00	
2,500.0	9.61	111.94	2,472.8	-124.2	308.2	332.3	0.00	0.00	
2,600.0	9.61	111.94	2,571.4	-130.4	323.7	349.0	0.00	0.00	
2,700.0	9.61	111.94	2,670.0	-136.6	339.2	365.7	0.00	0.00	
2,800.0	9.61	111.94	2,768.6	-142.9	354.7	382.4	0.00	0.00	
2,900.0	9.61	111.94	2,867.2	-149.1	370.2	399.1	0.00	0.00	
3,000.0	9.61	111.94	2,965.8	-155.3	385.6	415.8	0.00	0.00	
3,100.0	9.61	111.94	3,064.4	-161.6	401.1	432.4	0.00	0.00	
3,200.0	9.61	111.94	3,163.0	-167.8	416.6	449.1	0.00	0.00	
3,300.0	9.61	111.94	3,261.6	-174.1	432.1	465.8	0.00	0.00	
3,400.0	9.61	111.94	3,360.2	-180.3	447.6	482.5	0.00	0.00	
3,500.0	9.61	111.94	3,458.8	-186.5	463.1	499.2	0.00	0.00	
3,600.0	9.61	111.94	3,557.4	-192.8	478.6	515.9	0.00	0.00	
3,700.0	9.61	111.94	3,656.0	-199.0	494.0	532.6	0.00	0.00	
3,800.0	9.61	111.94	3,754.6	-205.2	509.5	549.3	0.00	0.00	
3,900.0	9.61	111.94	3,853.2	-211.5	525.0	566.0	0.00	0.00	
4,000.0	9.61	111.94	3,951.8	-217.7	540.5	582.7	0.00	0.00	
4,100.0	9.61	111.94	4,050.4	-224.0	556.0	599.4	0.00	0.00	
4,200.0	9.61	111.94	4,149.0	-230.2	571.5	616.1	0.00	0.00	
4,300.0	9.61	111.94	4,247.6	-236.4	587.0	632.8	0.00	0.00	
4,400.0	9.61	111.94	4,346.2	-242.7	602.4	649.5	0.00	0.00	
4,500.0	9.61	111.94	4,444.7	-248.9	617.9	666.2	0.00	0.00	
4,600.0	9.61	111.94	4,543.3	-255.2	633.4	682.9	0.00	0.00	
4,700.0	9.61	111.94	4,641.9	-261.4	648.9	699.6	0.00	0.00	
4,800.0	9.61	111.94	4,740.5	-267.6	664.4	716.3	0.00	0.00	
4,900.0	9.61	111.94	4,839.1	-273.9	679.9	733.0	0.00	0.00	

Cathedral Energy Services

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well PUCKETT 14C-1
Company:	Caerus Oil & Gas (NAD 27)	TVD Reference:	KB=22' @ 8446.0usft
Project:	Garfield County, CO	MD Reference:	KB=22' @ 8446.0usft
Site:	S2-T7S-R97W (Puckett Pad P2)	North Reference:	True
Well:	PUCKETT 14C-1	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	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	9.61	111.94	4,937.7	-280.1	695.4	749.7	0.00	0.00	
5,100.0	9.61	111.94	5,036.3	-286.3	710.9	766.4	0.00	0.00	
5,200.0	9.61	111.94	5,134.9	-292.6	726.3	783.1	0.00	0.00	
5,300.0	9.61	111.94	5,233.5	-298.8	741.8	799.7	0.00	0.00	
5,400.0	9.61	111.94	5,332.1	-305.1	757.3	816.4	0.00	0.00	
5,500.0	9.61	111.94	5,430.7	-311.3	772.8	833.1	0.00	0.00	
5,600.0	9.61	111.94	5,529.3	-317.5	788.3	849.8	0.00	0.00	
5,700.0	9.61	111.94	5,627.9	-323.8	803.8	866.5	0.00	0.00	
5,800.0	9.61	111.94	5,726.5	-330.0	819.3	883.2	0.00	0.00	
5,900.0	9.61	111.94	5,825.1	-336.2	834.7	899.9	0.00	0.00	
5,926.3	9.61	111.94	5,851.0	-337.9	838.8	904.3	0.00	0.00	OHIO CREEK
6,000.0	9.61	111.94	5,923.7	-342.5	850.2	916.6	0.00	0.00	
6,100.0	9.61	111.94	6,022.3	-348.7	865.7	933.3	0.00	0.00	
6,200.0	9.61	111.94	6,120.9	-355.0	881.2	950.0	0.00	0.00	
6,300.0	9.61	111.94	6,219.5	-361.2	896.7	966.7	0.00	0.00	
6,400.0	9.61	111.94	6,318.1	-367.4	912.2	983.4	0.00	0.00	
6,468.9	9.61	111.94	6,386.0	-371.7	922.8	994.9	0.00	0.00	WILLIAMS FORK
6,500.0	9.61	111.94	6,416.7	-373.7	927.7	1,000.1	0.00	0.00	
6,600.0	9.61	111.94	6,515.3	-379.9	943.1	1,016.8	0.00	0.00	
6,700.0	9.61	111.94	6,613.9	-386.2	958.6	1,033.5	0.00	0.00	
6,800.0	9.61	111.94	6,712.5	-392.4	974.1	1,050.2	0.00	0.00	
6,900.0	9.61	111.94	6,811.1	-398.6	989.6	1,066.9	0.00	0.00	
7,000.0	9.61	111.94	6,909.7	-404.9	1,005.1	1,083.6	0.00	0.00	
7,063.4	9.61	111.94	6,972.1	-408.8	1,014.9	1,094.1	0.00	0.00	Start 3° Drop
7,100.0	8.51	111.94	7,008.3	-411.0	1,020.3	1,099.9	3.00	-3.00	
7,200.0	5.51	111.94	7,107.6	-415.5	1,031.6	1,112.1	3.00	-3.00	
7,300.0	2.51	111.94	7,207.3	-418.1	1,038.1	1,119.1	3.00	-3.00	
7,383.7	0.00	0.00	7,291.0	-418.8	1,039.8	1,121.0	3.00	-3.00	EOD @ 0° INC - TOG
7,400.0	0.00	0.00	7,307.3	-418.8	1,039.8	1,121.0	0.00	0.00	
7,500.0	0.00	0.00	7,407.3	-418.8	1,039.8	1,121.0	0.00	0.00	
7,600.0	0.00	0.00	7,507.3	-418.8	1,039.8	1,121.0	0.00	0.00	
7,700.0	0.00	0.00	7,607.3	-418.8	1,039.8	1,121.0	0.00	0.00	
7,800.0	0.00	0.00	7,707.3	-418.8	1,039.8	1,121.0	0.00	0.00	
7,900.0	0.00	0.00	7,807.3	-418.8	1,039.8	1,121.0	0.00	0.00	
8,000.0	0.00	0.00	7,907.3	-418.8	1,039.8	1,121.0	0.00	0.00	
8,100.0	0.00	0.00	8,007.3	-418.8	1,039.8	1,121.0	0.00	0.00	
8,200.0	0.00	0.00	8,107.3	-418.8	1,039.8	1,121.0	0.00	0.00	
8,300.0	0.00	0.00	8,207.3	-418.8	1,039.8	1,121.0	0.00	0.00	
8,348.7	0.00	0.00	8,256.0	-418.8	1,039.8	1,121.0	0.00	0.00	CAMEO
8,400.0	0.00	0.00	8,307.3	-418.8	1,039.8	1,121.0	0.00	0.00	
8,500.0	0.00	0.00	8,407.3	-418.8	1,039.8	1,121.0	0.00	0.00	
8,600.0	0.00	0.00	8,507.3	-418.8	1,039.8	1,121.0	0.00	0.00	
8,700.0	0.00	0.00	8,607.3	-418.8	1,039.8	1,121.0	0.00	0.00	
8,733.7	0.00	0.00	8,641.0	-418.8	1,039.8	1,121.0	0.00	0.00	ROLLINS
8,800.0	0.00	0.00	8,707.3	-418.8	1,039.8	1,121.0	0.00	0.00	
8,883.7	0.00	0.00	8,791.0	-418.8	1,039.8	1,121.0	0.00	0.00	TD @ 8,883.7' MD

Cathedral Energy Services

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well PUCKETT 14C-1
Company:	Caerus Oil & Gas (NAD 27)	TVD Reference:	KB=22' @ 8446.0usft
Project:	Garfield County, CO	MD Reference:	KB=22' @ 8446.0usft
Site:	S2-T7S-R97W (Puckett Pad P2)	North Reference:	True
Well:	PUCKETT 14C-1	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	Plan #1		

Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
- Shape									
PUCKETT 14C-1 TGT - plan hits target center - Point	0.00	0.00	7,291.0	-418.8	1,039.8	606,868.60	1,244,977.05	39.469144	-108.174781
PUCKETT 14C-1 BHL - plan hits target center - Circle (radius 50.0)	0.00	0.00	8,791.0	-418.8	1,039.8	606,868.60	1,244,977.05	39.469144	-108.174781

Formations						
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction	
(usft)	(usft)			(°)	(°)	
5,926.3	5,851.0	OHIO CREEK				
6,468.9	6,386.0	WILLIAMS FORK				
7,383.7	7,291.0	TOG				
8,348.7	8,256.0	CAMEO				
8,733.7	8,641.0	ROLLINS				

Plan Annotations					
Measured Depth	Vertical Depth	Local Coordinates		Comment	
(usft)	(usft)	+N/-S	+E/-W		
		(usft)	(usft)		
350.0	350.0	0.0	0.0	KOP @ 350'	
670.4	668.9	-10.0	24.9	EOB @ 9.61° INC	
7,063.4	6,972.1	-408.8	1,014.9	Start 3° Drop	
7,383.7	7,291.0	-418.8	1,039.8	EOD @ 0° INC	
8,883.7	8,791.0	-418.8	1,039.8	TD @ 8,883.7' MD	

Caerus Oil & Gas (NAD 27)

Garfield County, CO

S2-T7S-R97W (Puckett Pad P2)

PUCKETT 14C-1

DD

Plan #1

Anticollision Report

01 October, 2014

Cathedral Energy Services

Anticollision Report

Company:	Caerus Oil & Gas (NAD 27)	Local Co-ordinate Reference:	Well PUCKETT 14C-1
Project:	Garfield County, CO	TVD Reference:	KB=22' @ 8446.0usft
Reference Site:	S2-T7S-R97W (Puckett Pad P2)	MD Reference:	KB=22' @ 8446.0usft
Site Error:	0.0usft	North Reference:	True
Reference Well:	PUCKETT 14C-1	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0usft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Reference	Plan #1		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD Interval 100.0usft	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 200.0usft	Error Surface:	Elliptical Conic
Warning Levels Evaluated at:	2.00 Sigma		

Survey Tool Program	Date			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	8,883.7	Plan #1 (DD)	ISCWSA MWD	MWD - Standard

Cathedral Energy Services

Anticollision Report

Company:	Caerus Oil & Gas (NAD 27)	Local Co-ordinate Reference:	Well PUCKETT 14C-1
Project:	Garfield County, CO	TVD Reference:	KB=22' @ 8446.0usft
Reference Site:	S2-T7S-R97W (Puckett Pad P2)	MD Reference:	KB=22' @ 8446.0usft
Site Error:	0.0usft	North Reference:	True
Reference Well:	PUCKETT 14C-1	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0usft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Summary

Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance		Separation Factor	Warning
Offset Well - Wellbore - Design			Between Centres (usft)	Between Ellipses (usft)		
S2-T7S-R97W (Puckett Pad P2)						
PUCKETT 11A-12 - DD - Plan #1	234.2	234.2	23.3	22.5	29.897	CC, ES
PUCKETT 11A-12 - DD - Plan #1	500.0	497.1	34.8	32.8	17.996	SF
PUCKETT 11B-12 - DD - Plan #1	200.0	200.0	31.4	30.8	50.300	CC, ES
PUCKETT 11B-12 - DD - Plan #1	500.0	494.7	49.4	47.4	25.129	SF
PUCKETT 13D-1 - DD - Plan #1	200.0	200.0	33.4	32.7	53.385	CC, ES
PUCKETT 13D-1 - DD - Plan #1	1,800.0	1,786.9	199.0	188.1	18.291	SF
PUCKETT 14A-1 - DD - Plan #1	462.5	462.3	31.5	29.7	17.687	CC, ES
PUCKETT 14A-1 - DD - Plan #1	2,800.0	2,791.9	198.1	180.2	11.093	SF
PUCKETT 14B-1 - DD - Plan #1	422.1	422.0	16.5	14.9	10.297	CC, ES
PUCKETT 14B-1 - DD - Plan #1	5,400.0	5,396.3	196.8	159.4	5.258	SF
PUCKETT 14D-1 - DD - Plan #1	300.0	300.0	15.9	14.9	14.835	CC, ES
PUCKETT 14D-1 - DD - Plan #1	4,000.0	3,993.9	200.0	172.7	7.340	SF
PUCKETT 24A-1 - DD - Plan #1	300.0	300.0	25.0	23.9	23.232	CC, ES
PUCKETT 24A-1 - DD - Plan #1	700.0	695.9	39.8	36.7	12.909	SF
PUCKETT 24C-1 - DD - Plan #1	239.9	239.9	8.3	7.5	10.306	CC
PUCKETT 24C-1 - DD - Plan #1	300.0	299.9	8.5	7.4	7.939	ES
PUCKETT 24C-1 - DD - Plan #1	400.0	399.6	10.9	9.4	7.262	SF
PUCKETT 24D-1 - DD - Plan #1	269.3	269.4	7.9	6.9	8.446	CC
PUCKETT 24D-1 - DD - Plan #1	300.0	300.0	8.0	6.9	7.487	ES, SF
PUCKETT 43C-2 - DD - Plan #1	255.6	255.6	26.9	26.0	30.721	CC
PUCKETT 43C-2 - DD - Plan #1	300.0	299.8	27.0	25.9	25.129	ES
PUCKETT 43C-2 - DD - Plan #1	500.0	496.6	38.9	36.9	19.132	SF
PUCKETT 43D-2 - DD - Plan #1	300.0	300.0	19.3	18.2	17.968	CC
PUCKETT 43D-2 - DD - Plan #1	311.3	311.3	19.3	18.2	17.177	ES
PUCKETT 43D-2 - DD - Plan #1	400.0	399.6	20.3	18.7	13.364	SF
PUCKETT 44A-2 - DD - Plan #1	300.0	300.0	13.0	11.9	12.095	CC
PUCKETT 44A-2 - DD - Plan #1	336.2	336.2	13.1	11.9	10.610	ES
PUCKETT 44A-2 - DD - Plan #1	400.0	399.9	13.5	12.0	8.876	SF
PUCKETT 44B-2 - DD - Plan #1	300.0	300.0	9.9	8.8	9.199	CC
PUCKETT 44B-2 - DD - Plan #1	308.5	308.5	9.9	8.8	8.893	ES
PUCKETT 44B-2 - DD - Plan #1	400.0	399.7	11.6	10.0	7.593	SF
PUCKETT 44C-2 - DD - Plan #1	255.6	255.6	12.6	11.7	14.354	CC
PUCKETT 44C-2 - DD - Plan #1	300.0	299.9	12.7	11.6	11.886	ES
PUCKETT 44C-2 - DD - Plan #1	400.0	399.1	16.8	15.3	11.161	SF
PUCKETT 44D-2 - DD - Plan #1	200.0	200.0	18.2	17.6	29.174	CC, ES
PUCKETT 44D-2 - DD - Plan #1	400.0	398.0	26.2	24.6	17.294	SF

Cathedral Energy Services

Anticollision Report

Company:	Caerus Oil & Gas (NAD 27)	Local Co-ordinate Reference:	Well PUCKETT 14C-1
Project:	Garfield County, CO	TVD Reference:	KB=22' @ 8446.0usft
Reference Site:	S2-T7S-R97W (Puckett Pad P2)	MD Reference:	KB=22' @ 8446.0usft
Site Error:	0.0usft	North Reference:	True
Reference Well:	PUCKETT 14C-1	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0usft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
S2-T7S-R97W (Puckett Pad P2) - PUCKETT 11A-12 - DD - Plan #1													Offset Well Error:	0.0 usft
Survey Program: 0-ISCSWA MWD														
Reference		Offset		Semi Major Axis			Distance							
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	Warning	
0.0	0.0	0.0	0.0	0.0	0.0	-149.38	-20.0	-11.9	23.3					
100.0	100.0	100.0	100.0	0.1	0.1	-149.38	-20.0	-11.9	23.3	23.1	0.18	132.780		
200.0	200.0	200.0	200.0	0.3	0.3	-149.38	-20.0	-11.9	23.3	22.7	0.62	37.255		
234.2	234.2	234.2	234.2	0.4	0.4	-149.38	-20.0	-11.9	23.3	22.5	0.78	29.897	CC, ES	
300.0	300.0	299.6	299.6	0.5	0.5	-150.61	-20.6	-11.6	23.7	22.6	1.06	22.314		
400.0	400.0	398.6	398.5	0.8	0.7	90.30	-25.4	-9.7	27.2	25.8	1.48	18.374		
500.0	499.8	497.1	496.4	1.0	1.0	86.90	-34.9	-6.0	34.8	32.8	1.93	17.996	SF	
600.0	599.3	594.9	593.1	1.2	1.3	87.02	-48.9	-0.4	46.0	43.5	2.46	18.689		
700.0	698.1	692.6	688.7	1.5	1.6	88.73	-67.2	6.9	60.5	57.4	3.10	19.548		
800.0	796.7	791.4	785.2	1.8	2.1	90.37	-86.8	14.7	75.9	72.1	3.79	20.045		
900.0	895.3	890.2	881.7	2.2	2.5	91.46	-106.3	22.4	91.4	86.9	4.51	20.248		
1,000.0	993.9	988.9	978.3	2.6	2.9	92.23	-125.9	30.2	106.8	101.6	5.26	20.322		
1,100.0	1,092.5	1,087.7	1,074.8	2.9	3.4	92.80	-145.4	38.0	122.3	116.3	6.02	20.337		
1,200.0	1,191.1	1,186.5	1,171.3	3.3	3.8	93.25	-165.0	45.7	137.8	131.0	6.78	20.325		
1,300.0	1,289.7	1,285.3	1,267.8	3.7	4.3	93.61	-184.5	53.5	153.3	145.8	7.55	20.301		
1,400.0	1,388.3	1,384.1	1,364.3	4.1	4.8	93.90	-204.1	61.3	168.8	160.5	8.33	20.273		
1,500.0	1,486.9	1,482.9	1,460.9	4.4	5.2	94.14	-223.6	69.0	184.3	175.2	9.11	20.243		
1,600.0	1,585.5	1,581.7	1,557.4	4.8	5.7	94.35	-243.2	76.8	199.9	190.0	9.89	20.215		

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

Cathedral Energy Services

Anticollision Report

Company:	Caerus Oil & Gas (NAD 27)	Local Co-ordinate Reference:	Well PUCKETT 14C-1
Project:	Garfield County, CO	TVD Reference:	KB=22' @ 8446.0usft
Reference Site:	S2-T7S-R97W (Puckett Pad P2)	MD Reference:	KB=22' @ 8446.0usft
Site Error:	0.0usft	North Reference:	True
Reference Well:	PUCKETT 14C-1	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0usft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
S2-T7S-R97W (Puckett Pad P2) - PUCKETT 11B-12 - DD - Plan #1													Offset Well Error:	0.0 usft
Survey Program: 0-ISCSWA MWD														
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	-150.39	-27.3	-15.5	31.4					
100.0	100.0	100.0	100.0	0.1	0.1	-150.39	-27.3	-15.5	31.4	31.3	0.18	179.273		
200.0	200.0	200.0	200.0	0.3	0.3	-150.39	-27.3	-15.5	31.4	30.8	0.62	50.300 CC, ES		
300.0	300.0	298.8	298.8	0.5	0.5	-153.60	-29.8	-14.8	33.3	32.2	1.05	31.616		
400.0	400.0	397.1	396.8	0.8	0.7	87.59	-37.0	-12.5	39.2	37.7	1.50	26.155		
500.0	499.8	494.7	493.5	1.0	1.0	84.50	-49.0	-8.8	49.4	47.4	1.96	25.129 SF		
600.0	599.3	591.4	588.6	1.2	1.4	84.49	-65.5	-3.8	63.3	60.8	2.50	25.279		
700.0	698.1	686.9	681.6	1.5	1.8	85.91	-86.3	2.6	80.8	77.7	3.14	25.716		
800.0	796.7	783.6	774.9	1.8	2.3	86.53	-110.8	10.2	101.4	97.5	3.86	26.286		
900.0	895.3	881.5	869.2	2.2	2.8	86.87	-135.8	17.9	122.2	117.6	4.59	26.608		
1,000.0	993.9	979.3	963.4	2.6	3.3	87.11	-160.8	25.6	142.9	137.6	5.35	26.739		
1,100.0	1,092.5	1,077.1	1,057.7	2.9	3.8	87.29	-185.9	33.3	163.7	157.6	6.11	26.780		
1,200.0	1,191.1	1,174.9	1,151.9	3.3	4.4	87.43	-210.9	41.0	184.5	177.6	6.89	26.779		

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

Cathedral Energy Services

Anticollision Report

Company:	Caerus Oil & Gas (NAD 27)	Local Co-ordinate Reference:	Well PUCKETT 14C-1
Project:	Garfield County, CO	TVD Reference:	KB=22' @ 8446.0usft
Reference Site:	S2-T7S-R97W (Puckett Pad P2)	MD Reference:	KB=22' @ 8446.0usft
Site Error:	0.0usft	North Reference:	True
Reference Well:	PUCKETT 14C-1	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0usft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
S2-T7S-R97W (Puckett Pad P2) - PUCKETT 13D-1 - DD - Plan #1													Offset Well Error:	0.0 usft
Survey Program: 0-ISCSWA MWD														
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	13.71	32.4	7.9	33.4					
100.0	100.0	100.0	100.0	0.1	0.1	13.71	32.4	7.9	33.4	33.2	0.18	190.268		
200.0	200.0	200.0	200.0	0.3	0.3	13.71	32.4	7.9	33.4	32.7	0.62	53.385 CC, ES		
300.0	300.0	298.8	298.8	0.5	0.5	14.75	33.5	8.8	34.7	33.6	1.07	32.358		
400.0	400.0	396.8	396.6	0.8	0.8	-94.18	38.3	12.9	40.6	39.1	1.53	26.472		
500.0	499.8	495.8	494.9	1.0	1.0	-93.91	45.7	20.6	50.5	48.5	1.99	25.339		
600.0	599.3	595.2	593.3	1.2	1.3	-93.81	51.8	33.3	61.0	58.5	2.49	24.491		
700.0	698.1	694.5	691.4	1.5	1.6	-96.01	57.4	47.9	71.9	68.9	3.09	23.269		
800.0	796.7	793.8	789.5	1.8	2.0	-98.68	62.9	62.6	83.2	79.4	3.75	22.185		
900.0	895.3	893.1	887.6	2.2	2.3	-100.72	68.4	77.3	94.5	90.1	4.43	21.326		
1,000.0	993.9	992.4	985.6	2.6	2.7	-102.32	73.9	91.9	106.0	100.8	5.13	20.655		
1,100.0	1,092.5	1,091.7	1,083.7	2.9	3.0	-103.61	79.4	106.6	117.5	111.7	5.84	20.124		
1,200.0	1,191.1	1,191.0	1,181.7	3.3	3.4	-104.66	84.9	121.2	129.1	122.5	6.55	19.699		
1,300.0	1,289.7	1,290.3	1,279.8	3.7	3.8	-105.55	90.4	135.9	140.7	133.4	7.27	19.352		
1,400.0	1,388.3	1,389.6	1,377.9	4.1	4.1	-106.29	95.9	150.5	152.3	144.3	7.99	19.065		
1,500.0	1,486.9	1,488.9	1,475.9	4.4	4.5	-106.94	101.4	165.2	163.9	155.2	8.71	18.824		
1,600.0	1,585.5	1,588.2	1,574.0	4.8	4.8	-107.49	106.9	179.9	175.6	166.2	9.43	18.619		
1,700.0	1,684.0	1,687.5	1,672.1	5.2	5.2	-107.98	112.4	194.5	187.3	177.1	10.15	18.443		
1,800.0	1,782.6	1,786.9	1,770.1	5.6	5.6	-108.41	117.9	209.2	199.0	188.1	10.88	18.291 SF		

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

Cathedral Energy Services

Anticollision Report

Company:	Caerus Oil & Gas (NAD 27)	Local Co-ordinate Reference:	Well PUCKETT 14C-1
Project:	Garfield County, CO	TVD Reference:	KB=22' @ 8446.0usft
Reference Site:	S2-T7S-R97W (Puckett Pad P2)	MD Reference:	KB=22' @ 8446.0usft
Site Error:	0.0usft	North Reference:	True
Reference Well:	PUCKETT 14C-1	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0usft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
S2-T7S-R97W (Puckett Pad P2) - PUCKETT 14A-1 - DD - Plan #1													Offset Well Error:	0.0 usft
Survey Program: 0-ISCSWA MWD														
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	30.94	27.3	16.4	31.8					
100.0	100.0	100.0	100.0	0.1	0.1	30.94	27.3	16.4	31.8	31.7	0.18	181.640		
200.0	200.0	200.0	200.0	0.3	0.3	30.94	27.3	16.4	31.8	31.2	0.62	50.964		
300.0	300.0	300.0	300.0	0.5	0.5	30.94	27.3	16.4	31.8	30.8	1.07	29.640		
400.0	400.0	400.0	400.0	0.8	0.8	-82.17	27.3	16.4	31.7	30.2	1.52	20.955		
462.5	462.4	462.3	462.3	0.9	0.9	-86.89	27.3	16.4	31.5	29.7	1.78	17.687	CC, ES	
500.0	499.8	499.5	499.5	1.0	1.0	-90.55	27.4	17.0	31.7	29.8	1.94	16.379		
600.0	599.3	598.7	598.5	1.2	1.2	-100.05	27.8	22.1	34.6	32.2	2.40	14.427		
700.0	698.1	698.0	697.3	1.5	1.4	-107.37	28.6	32.4	40.6	37.7	2.95	13.773		
800.0	796.7	797.5	795.7	1.8	1.7	-108.97	29.9	47.1	48.0	44.5	3.56	13.495		
900.0	895.3	897.2	894.3	2.2	2.0	-109.56	31.1	62.3	55.5	51.3	4.21	13.187		
1,000.0	993.9	997.0	992.8	2.6	2.4	-110.01	32.4	77.6	63.0	58.1	4.88	12.898		
1,100.0	1,092.5	1,096.7	1,091.3	2.9	2.7	-110.37	33.7	92.8	70.5	64.9	5.57	12.645		
1,200.0	1,191.1	1,196.4	1,189.9	3.3	3.0	-110.65	34.9	108.1	78.0	71.7	6.28	12.428		
1,300.0	1,289.7	1,296.1	1,288.4	3.7	3.4	-110.89	36.2	123.3	85.5	78.5	6.98	12.242		
1,400.0	1,388.3	1,395.8	1,387.0	4.1	3.7	-111.09	37.4	138.6	93.0	85.3	7.70	12.082		
1,500.0	1,486.9	1,495.6	1,485.5	4.4	4.1	-111.26	38.7	153.8	100.5	92.1	8.41	11.944		
1,600.0	1,585.5	1,595.3	1,584.0	4.8	4.4	-111.40	40.0	169.1	108.0	98.9	9.13	11.825		
1,700.0	1,684.0	1,695.0	1,682.6	5.2	4.8	-111.53	41.2	184.4	115.5	105.6	9.85	11.720		
1,800.0	1,782.6	1,794.7	1,781.1	5.6	5.1	-111.64	42.5	199.6	123.0	112.4	10.58	11.628		
1,900.0	1,881.2	1,894.4	1,879.6	6.0	5.5	-111.74	43.8	214.9	130.5	119.2	11.30	11.546		
2,000.0	1,979.8	1,994.1	1,978.2	6.4	5.9	-111.83	45.0	230.1	138.0	126.0	12.03	11.474		
2,100.0	2,078.4	2,093.9	2,076.7	6.8	6.2	-111.90	46.3	245.4	145.5	132.8	12.76	11.409		
2,200.0	2,177.0	2,193.6	2,175.2	7.1	6.6	-111.98	47.6	260.6	153.0	139.5	13.48	11.350		
2,300.0	2,275.6	2,293.3	2,273.8	7.5	6.9	-112.04	48.8	275.9	160.5	146.3	14.21	11.297		
2,400.0	2,374.2	2,393.0	2,372.3	7.9	7.3	-112.10	50.1	291.1	168.0	153.1	14.94	11.249		
2,500.0	2,472.8	2,492.7	2,470.8	8.3	7.7	-112.15	51.4	306.4	175.5	159.9	15.67	11.205		
2,600.0	2,571.4	2,592.4	2,569.4	8.7	8.0	-112.20	52.6	321.6	183.0	166.6	16.40	11.164		
2,700.0	2,670.0	2,692.2	2,667.9	9.1	8.4	-112.25	53.9	336.9	190.5	173.4	17.12	11.127		
2,800.0	2,768.6	2,791.9	2,766.5	9.5	8.7	-112.29	55.2	352.1	198.1	180.2	17.85	11.093	SF	

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

Cathedral Energy Services

Anticollision Report

Company:	Caerus Oil & Gas (NAD 27)	Local Co-ordinate Reference:	Well PUCKETT 14C-1
Project:	Garfield County, CO	TVD Reference:	KB=22' @ 8446.0usft
Reference Site:	S2-T7S-R97W (Puckett Pad P2)	MD Reference:	KB=22' @ 8446.0usft
Site Error:	0.0usft	North Reference:	True
Reference Well:	PUCKETT 14C-1	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0usft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
S2-T7S-R97W (Puckett Pad P2) - PUCKETT 14B-1 - DD - Plan #1													Offset Well Error:	0.0 usft
Survey Program: 0-ISCSWA MWD														
Reference		Offset		Semi Major Axis			Distance							
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	Warning	
0.0	0.0	0.0	0.0	0.0	0.0	31.64	14.2	8.8	16.7					
100.0	100.0	100.0	100.0	0.1	0.1	31.64	14.2	8.8	16.7	16.5	0.18	95.167		
200.0	200.0	200.0	200.0	0.3	0.3	31.64	14.2	8.8	16.7	16.1	0.62	26.702		
300.0	300.0	300.0	300.0	0.5	0.5	31.64	14.2	8.8	16.7	15.6	1.07	15.529		
400.0	400.0	400.0	400.0	0.8	0.8	-82.53	14.2	8.8	16.6	15.1	1.52	10.948		
422.1	422.0	422.0	422.0	0.8	0.8	-84.54	14.2	8.9	16.5	14.9	1.61	10.297	CC, ES	
500.0	499.8	499.7	499.7	1.0	1.0	-91.76	13.8	11.3	17.0	15.1	1.93	8.814		
600.0	599.3	599.6	599.2	1.2	1.2	-100.07	12.5	19.0	19.0	16.6	2.40	7.929		
700.0	698.1	699.5	698.3	1.5	1.5	-105.59	10.4	31.9	22.4	19.5	2.97	7.553		
800.0	796.7	799.4	797.0	1.8	1.8	-106.29	7.9	47.5	26.1	22.5	3.61	7.249		
900.0	895.3	899.4	895.6	2.2	2.1	-106.82	5.4	63.0	29.8	25.6	4.28	6.975		
1,000.0	993.9	999.3	994.3	2.6	2.4	-107.22	2.9	78.6	33.6	28.6	4.97	6.747		
1,100.0	1,092.5	1,099.2	1,093.0	2.9	2.8	-107.55	0.3	94.2	37.3	31.6	5.68	6.559		
1,200.0	1,191.1	1,199.2	1,191.7	3.3	3.1	-107.81	-2.2	109.8	41.0	34.6	6.40	6.405		
1,300.0	1,289.7	1,299.1	1,290.3	3.7	3.5	-108.03	-4.7	125.3	44.7	37.6	7.12	6.276		
1,400.0	1,388.3	1,399.0	1,389.0	4.1	3.9	-108.22	-7.3	140.9	48.4	40.5	7.84	6.168		
1,500.0	1,486.9	1,498.9	1,487.7	4.4	4.2	-108.38	-9.8	156.5	52.1	43.5	8.57	6.075		
1,600.0	1,585.5	1,598.9	1,586.4	4.8	4.6	-108.52	-12.3	172.1	55.8	46.5	9.31	5.996		
1,700.0	1,684.0	1,698.8	1,685.0	5.2	5.0	-108.65	-14.8	187.6	59.5	49.5	10.04	5.927		
1,800.0	1,782.6	1,798.7	1,783.7	5.6	5.3	-108.75	-17.4	203.2	63.2	52.4	10.77	5.867		
1,900.0	1,881.2	1,898.7	1,882.4	6.0	5.7	-108.85	-19.9	218.8	66.9	55.4	11.51	5.814		
2,000.0	1,979.8	1,998.6	1,981.1	6.4	6.1	-108.94	-22.4	234.4	70.6	58.4	12.25	5.767		
2,100.0	2,078.4	2,098.5	2,079.8	6.8	6.4	-109.01	-25.0	249.9	74.3	61.4	12.99	5.725		
2,200.0	2,177.0	2,198.5	2,178.4	7.1	6.8	-109.08	-27.5	265.5	78.1	64.3	13.72	5.687		
2,300.0	2,275.6	2,298.4	2,277.1	7.5	7.2	-109.15	-30.0	281.1	81.8	67.3	14.46	5.653		
2,400.0	2,374.2	2,398.3	2,375.8	7.9	7.5	-109.21	-32.5	296.7	85.5	70.3	15.20	5.622		
2,500.0	2,472.8	2,498.3	2,474.5	8.3	7.9	-109.26	-35.1	312.2	89.2	73.2	15.94	5.594		
2,600.0	2,571.4	2,598.2	2,573.1	8.7	8.3	-109.31	-37.6	327.8	92.9	76.2	16.68	5.568		
2,700.0	2,670.0	2,698.1	2,671.8	9.1	8.7	-109.35	-40.1	343.4	96.6	79.2	17.42	5.544		
2,800.0	2,768.6	2,798.1	2,770.5	9.5	9.0	-109.40	-42.7	359.0	100.3	82.1	18.16	5.522		
2,900.0	2,867.2	2,898.0	2,869.2	9.9	9.4	-109.43	-45.2	374.5	104.0	85.1	18.91	5.502		
3,000.0	2,965.8	2,997.9	2,967.9	10.2	9.8	-109.47	-47.7	390.1	107.7	88.1	19.65	5.484		
3,100.0	3,064.4	3,097.8	3,066.5	10.6	10.1	-109.50	-50.3	405.7	111.4	91.1	20.39	5.466		
3,200.0	3,163.0	3,197.8	3,165.2	11.0	10.5	-109.54	-52.8	421.3	115.2	94.0	21.13	5.450		
3,300.0	3,261.6	3,297.7	3,263.9	11.4	10.9	-109.57	-55.3	436.9	118.9	97.0	21.87	5.435		
3,400.0	3,360.2	3,397.6	3,362.6	11.8	11.3	-109.59	-57.8	452.4	122.6	100.0	22.61	5.421		
3,500.0	3,458.8	3,497.6	3,461.2	12.2	11.6	-109.62	-60.4	468.0	126.3	102.9	23.35	5.408		
3,600.0	3,557.4	3,597.5	3,559.9	12.6	12.0	-109.65	-62.9	483.6	130.0	105.9	24.09	5.396		
3,700.0	3,656.0	3,697.4	3,658.6	13.0	12.4	-109.67	-65.4	499.2	133.7	108.9	24.83	5.384		
3,800.0	3,754.6	3,797.4	3,757.3	13.4	12.7	-109.69	-68.0	514.7	137.4	111.8	25.58	5.373		
3,900.0	3,853.2	3,897.3	3,855.9	13.7	13.1	-109.71	-70.5	530.3	141.1	114.8	26.32	5.363		
4,000.0	3,951.8	3,997.2	3,954.6	14.1	13.5	-109.73	-73.0	545.9	144.8	117.8	27.06	5.353		
4,100.0	4,050.4	4,097.2	4,053.3	14.5	13.9	-109.75	-75.5	561.5	148.5	120.7	27.80	5.344		
4,200.0	4,149.0	4,197.1	4,152.0	14.9	14.2	-109.77	-78.1	577.0	152.3	123.7	28.54	5.335		
4,300.0	4,247.6	4,297.0	4,250.7	15.3	14.6	-109.79	-80.6	592.6	156.0	126.7	29.28	5.327		
4,400.0	4,346.2	4,396.9	4,349.3	15.7	15.0	-109.80	-83.1	608.2	159.7	129.7	30.02	5.319		
4,500.0	4,444.7	4,496.9	4,448.0	16.1	15.3	-109.82	-85.7	623.8	163.4	132.6	30.76	5.311		
4,600.0	4,543.3	4,596.8	4,546.7	16.5	15.7	-109.83	-88.2	639.3	167.1	135.6	31.50	5.304		
4,700.0	4,641.9	4,696.7	4,645.4	16.9	16.1	-109.85	-90.7	654.9	170.8	138.6	32.24	5.297		
4,800.0	4,740.5	4,796.7	4,744.0	17.2	16.5	-109.86	-93.2	670.5	174.5	141.5	32.99	5.291		
4,900.0	4,839.1	4,896.6	4,842.7	17.6	16.8	-109.87	-95.8	686.1	178.2	144.5	33.73	5.285		
5,000.0	4,937.7	4,996.5	4,941.4	18.0	17.2	-109.89	-98.3	701.6	181.9	147.5	34.47	5.279		

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

Cathedral Energy Services

Anticollision Report

Company:	Caerus Oil & Gas (NAD 27)	Local Co-ordinate Reference:	Well PUCKETT 14C-1
Project:	Garfield County, CO	TVD Reference:	KB=22' @ 8446.0usft
Reference Site:	S2-T7S-R97W (Puckett Pad P2)	MD Reference:	KB=22' @ 8446.0usft
Site Error:	0.0usft	North Reference:	True
Reference Well:	PUCKETT 14C-1	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0usft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													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		
5,100.0	5,036.3	5,096.5	5,040.1	18.4	17.6	-109.90	-100.8	717.2	185.7	150.4	35.21	5.273		
5,200.0	5,134.9	5,196.4	5,138.8	18.8	18.0	-109.91	-103.4	732.8	189.4	153.4	35.95	5.268		
5,300.0	5,233.5	5,296.3	5,237.4	19.2	18.3	-109.92	-105.9	748.4	193.1	156.4	36.69	5.263		
5,400.0	5,332.1	5,396.3	5,336.1	19.6	18.7	-109.93	-108.4	763.9	196.8	159.4	37.43	5.258 SF		

Cathedral Energy Services

Anticollision Report

Company:	Caerus Oil & Gas (NAD 27)	Local Co-ordinate Reference:	Well PUCKETT 14C-1
Project:	Garfield County, CO	TVD Reference:	KB=22' @ 8446.0usft
Reference Site:	S2-T7S-R97W (Puckett Pad P2)	MD Reference:	KB=22' @ 8446.0usft
Site Error:	0.0usft	North Reference:	True
Reference Well:	PUCKETT 14C-1	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0usft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
S2-T7S-R97W (Puckett Pad P2) - PUCKETT 14D-1 - DD - Plan #1													Offset Well Error:	0.0 usft
Survey Program: 0-ISCSWA MWD														
Reference		Offset		Semi Major Axis			Distance							
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	Warning	
0.0	0.0	0.0	0.0	0.0	0.0	-150.27	-13.8	-7.9	15.9	15.8	0.18	90.915		
100.0	100.0	100.0	100.0	0.1	0.1	-150.27	-13.8	-7.9	15.9	15.3	0.62	25.508		
200.0	200.0	200.0	200.0	0.3	0.3	-150.27	-13.8	-7.9	15.9	14.9	1.07	14.835 CC, ES		
300.0	300.0	300.0	300.0	0.5	0.5	-150.27	-13.8	-7.9	15.9	14.9	1.50	10.978		
400.0	400.0	399.8	399.8	0.8	0.7	90.98	-15.4	-5.8	16.4	14.9	1.50	10.978		
500.0	499.8	499.5	499.2	1.0	1.0	83.48	-20.0	0.5	18.5	16.5	1.92	9.608		
600.0	599.3	599.0	597.8	1.2	1.2	78.67	-27.6	11.0	22.0	19.5	2.43	9.019		
700.0	698.1	698.5	695.7	1.5	1.6	76.06	-38.2	25.4	26.7	23.7	3.06	8.739		
800.0	796.7	798.4	793.6	1.8	2.0	74.21	-49.6	41.2	31.9	28.2	3.73	8.541		
900.0	895.3	898.2	891.6	2.2	2.4	72.89	-61.1	56.9	37.1	32.7	4.43	8.364		
1,000.0	993.9	998.1	989.5	2.6	2.8	71.88	-72.5	72.6	42.3	37.2	5.15	8.217		
1,100.0	1,092.5	1,098.0	1,087.5	2.9	3.2	71.10	-84.0	88.3	47.5	41.7	5.87	8.097		
1,200.0	1,191.1	1,197.8	1,185.4	3.3	3.6	70.48	-95.4	104.0	52.8	46.2	6.60	7.998		
1,300.0	1,289.7	1,297.7	1,283.3	3.7	4.0	69.96	-106.9	119.7	58.0	50.7	7.33	7.916		
1,400.0	1,388.3	1,397.5	1,381.3	4.1	4.5	69.54	-118.4	135.4	63.3	55.2	8.06	7.848		
1,500.0	1,486.9	1,497.4	1,479.2	4.4	4.9	69.17	-129.8	151.1	68.5	59.7	8.80	7.789		
1,600.0	1,585.5	1,597.3	1,577.2	4.8	5.3	68.86	-141.3	166.9	73.8	64.2	9.53	7.739		
1,700.0	1,684.0	1,697.1	1,675.1	5.2	5.8	68.59	-152.7	182.6	79.0	68.7	10.27	7.695		
1,800.0	1,782.6	1,797.0	1,773.1	5.6	6.2	68.36	-164.2	198.3	84.3	73.3	11.00	7.658		
1,900.0	1,881.2	1,896.8	1,871.0	6.0	6.6	68.15	-175.6	214.0	89.5	77.8	11.74	7.624		
2,000.0	1,979.8	1,996.7	1,969.0	6.4	7.1	67.96	-187.1	229.7	94.8	82.3	12.48	7.595		
2,100.0	2,078.4	2,096.6	2,066.9	6.8	7.5	67.80	-198.6	245.4	100.0	86.8	13.22	7.568		
2,200.0	2,177.0	2,196.4	2,164.9	7.1	7.9	67.65	-210.0	261.1	105.3	91.3	13.95	7.545		
2,300.0	2,275.6	2,296.3	2,262.8	7.5	8.4	67.51	-221.5	276.8	110.5	95.8	14.69	7.523		
2,400.0	2,374.2	2,396.1	2,360.8	7.9	8.8	67.39	-232.9	292.6	115.8	100.4	15.43	7.504		
2,500.0	2,472.8	2,496.0	2,458.7	8.3	9.2	67.28	-244.4	308.3	121.1	104.9	16.17	7.487		
2,600.0	2,571.4	2,595.9	2,556.7	8.7	9.7	67.17	-255.8	324.0	126.3	109.4	16.91	7.471		
2,700.0	2,670.0	2,695.7	2,654.6	9.1	10.1	67.08	-267.3	339.7	131.6	113.9	17.65	7.456		
2,800.0	2,768.6	2,795.6	2,752.6	9.5	10.5	66.99	-278.8	355.4	136.8	118.5	18.39	7.443		
2,900.0	2,867.2	2,895.5	2,850.5	9.9	11.0	66.91	-290.2	371.1	142.1	123.0	19.12	7.430		
3,000.0	2,965.8	2,995.3	2,948.5	10.2	11.4	66.84	-301.7	386.8	147.4	127.5	19.86	7.419		
3,100.0	3,064.4	3,095.2	3,046.4	10.6	11.9	66.77	-313.1	402.5	152.6	132.0	20.60	7.408		
3,200.0	3,163.0	3,195.0	3,144.4	11.0	12.3	66.70	-324.6	418.2	157.9	136.5	21.34	7.398		
3,300.0	3,261.6	3,294.9	3,242.3	11.4	12.7	66.64	-336.0	434.0	163.1	141.1	22.08	7.389		
3,400.0	3,360.2	3,394.8	3,340.3	11.8	13.2	66.58	-347.5	449.7	168.4	145.6	22.82	7.381		
3,500.0	3,458.8	3,494.6	3,438.2	12.2	13.6	66.53	-359.0	465.4	173.7	150.1	23.55	7.373		
3,600.0	3,557.4	3,594.5	3,536.2	12.6	14.0	66.48	-370.4	481.1	178.9	154.6	24.29	7.365		
3,700.0	3,656.0	3,694.3	3,634.1	13.0	14.5	66.43	-381.9	496.8	184.2	159.2	25.03	7.358		
3,800.0	3,754.6	3,794.2	3,732.1	13.4	14.9	66.39	-393.3	512.5	189.4	163.7	25.77	7.352		
3,900.0	3,853.2	3,894.1	3,830.0	13.7	15.3	66.34	-404.8	528.2	194.7	168.2	26.51	7.346		
4,000.0	3,951.8	3,993.9	3,928.0	14.1	15.8	66.30	-416.2	543.9	200.0	172.7	27.24	7.340 SF		

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

Cathedral Energy Services

Anticollision Report

Company:	Caerus Oil & Gas (NAD 27)	Local Co-ordinate Reference:	Well PUCKETT 14C-1
Project:	Garfield County, CO	TVD Reference:	KB=22' @ 8446.0usft
Reference Site:	S2-T7S-R97W (Puckett Pad P2)	MD Reference:	KB=22' @ 8446.0usft
Site Error:	0.0usft	North Reference:	True
Reference Well:	PUCKETT 14C-1	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0usft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
S2-T7S-R97W (Puckett Pad P2) - PUCKETT 24A-1 - DD - Plan #1													Offset Well Error:	0.0 usft
Survey Program: 0-ISWWSA MWD														
Reference		Offset		Semi Major Axis			Distance							
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	Warning	
0.0	0.0	0.0	0.0	0.0	0.0	30.60	21.5	12.7	25.0					
100.0	100.0	100.0	100.0	0.1	0.1	30.60	21.5	12.7	25.0	24.8	0.18	142.369		
200.0	200.0	200.0	200.0	0.3	0.3	30.60	21.5	12.7	25.0	24.3	0.62	39.945		
300.0	300.0	300.0	300.0	0.5	0.5	30.60	21.5	12.7	25.0	23.9	1.07	23.232	CC, ES	
400.0	400.0	399.4	399.3	0.8	0.8	-77.60	21.3	15.3	26.0	24.5	1.51	17.301		
500.0	499.8	498.6	498.2	1.0	1.0	-74.19	20.6	23.0	28.8	26.8	1.94	14.804		
600.0	599.3	597.4	596.2	1.2	1.2	-73.01	19.9	35.7	33.3	30.8	2.46	13.506		
700.0	698.1	695.9	693.1	1.5	1.6	-73.54	19.5	53.5	39.8	36.7	3.08	12.909	SF	
800.0	796.7	793.9	788.4	1.8	2.0	-71.03	19.4	76.0	49.4	45.6	3.78	13.065		
900.0	895.3	890.8	881.5	2.2	2.5	-66.18	19.7	103.1	62.9	58.3	4.52	13.914		
1,000.0	993.9	986.2	971.6	2.6	3.1	-60.95	20.3	134.3	80.6	75.4	5.25	15.353		
1,100.0	1,092.5	1,083.9	1,063.1	2.9	3.7	-56.77	21.1	168.5	100.9	94.9	5.98	16.876		
1,200.0	1,191.1	1,181.6	1,154.6	3.3	4.4	-53.99	21.9	202.8	121.4	114.8	6.69	18.162		
1,300.0	1,289.7	1,279.3	1,246.1	3.7	5.1	-52.02	22.7	237.0	142.2	134.8	7.40	19.229		
1,400.0	1,388.3	1,377.0	1,337.6	4.1	5.8	-50.56	23.5	271.3	163.1	155.0	8.11	20.123		
1,500.0	1,486.9	1,474.8	1,429.2	4.4	6.5	-49.42	24.3	305.5	184.1	175.3	8.82	20.881		

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

Cathedral Energy Services

Anticollision Report

Company:	Caerus Oil & Gas (NAD 27)	Local Co-ordinate Reference:	Well PUCKETT 14C-1
Project:	Garfield County, CO	TVD Reference:	KB=22' @ 8446.0usft
Reference Site:	S2-T7S-R97W (Puckett Pad P2)	MD Reference:	KB=22' @ 8446.0usft
Site Error:	0.0usft	North Reference:	True
Reference Well:	PUCKETT 14C-1	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0usft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design S2-T7S-R97W (Puckett Pad P2) - PUCKETT 24C-1 - 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	28.48	7.3	4.0	8.3					
100.0	100.0	100.0	100.0	0.1	0.1	28.48	7.3	4.0	8.3	8.1	0.18	47.273		
200.0	200.0	200.0	200.0	0.3	0.3	28.48	7.3	4.0	8.3	7.7	0.62	13.264		
239.9	239.9	239.9	239.9	0.4	0.4	28.48	7.3	4.0	8.3	7.5	0.80	10.306	CC	
300.0	300.0	299.9	299.9	0.5	0.5	32.76	7.1	4.6	8.5	7.4	1.07	7.939	ES	
400.0	400.0	399.6	399.4	0.8	0.7	-56.04	5.9	9.6	10.9	9.4	1.50	7.262	SF	
500.0	499.8	498.9	498.2	1.0	1.0	-43.21	3.4	19.7	15.4	13.4	2.00	7.702		
600.0	599.3	598.0	596.1	1.2	1.3	-38.06	-0.3	34.6	20.6	18.0	2.56	8.055		
700.0	698.1	696.7	692.7	1.5	1.7	-36.13	-5.2	54.5	26.4	23.3	3.15	8.403		
800.0	796.7	794.9	787.5	1.8	2.2	-32.42	-11.2	78.9	35.8	32.1	3.71	9.670		
900.0	895.3	891.8	879.8	2.2	2.7	-28.09	-18.3	107.7	50.1	45.8	4.27	11.715		
1,000.0	993.9	988.1	970.0	2.6	3.4	-24.48	-26.4	140.5	69.0	64.1	4.85	14.224		
1,100.0	1,092.5	1,086.0	1,061.2	2.9	4.1	-22.20	-34.9	174.8	89.1	83.7	5.42	16.439		
1,200.0	1,191.1	1,183.9	1,152.5	3.3	4.8	-20.76	-43.4	209.2	109.3	103.4	5.99	18.245		
1,300.0	1,289.7	1,281.8	1,243.8	3.7	5.5	-19.77	-51.8	243.6	129.6	123.0	6.58	19.692		
1,400.0	1,388.3	1,379.7	1,335.1	4.1	6.2	-19.05	-60.3	277.9	149.9	142.7	7.17	20.897		
1,500.0	1,486.9	1,477.6	1,426.4	4.4	7.0	-18.50	-68.8	312.3	170.2	162.5	7.77	21.909		
1,600.0	1,585.5	1,575.5	1,517.6	4.8	7.7	-18.07	-77.3	346.7	190.6	182.2	8.37	22.769		

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

Cathedral Energy Services

Anticollision Report

Company:	Caerus Oil & Gas (NAD 27)	Local Co-ordinate Reference:	Well PUCKETT 14C-1
Project:	Garfield County, CO	TVD Reference:	KB=22' @ 8446.0usft
Reference Site:	S2-T7S-R97W (Puckett Pad P2)	MD Reference:	KB=22' @ 8446.0usft
Site Error:	0.0usft	North Reference:	True
Reference Well:	PUCKETT 14C-1	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0usft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
S2-T7S-R97W (Puckett Pad P2) - PUCKETT 24D-1 - DD - Plan #1													Offset Well Error:	0.0 usft
Survey Program: 0-ISCSWA MWD														
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	-150.27	-6.9	-4.0	8.0					
100.0	100.0	100.0	100.0	0.1	0.1	-150.27	-6.9	-4.0	8.0	7.8	0.18	45.457		
200.0	200.0	200.0	200.0	0.3	0.3	-150.27	-6.9	-4.0	8.0	7.3	0.62	12.754		
269.3	269.3	269.4	269.3	0.5	0.5	-159.36	-7.4	-2.8	7.9	6.9	0.93	8.446 CC		
300.0	300.0	300.0	300.0	0.5	0.5	-169.15	-7.8	-1.5	8.0	6.9	1.07	7.487 ES, SF		
400.0	400.0	399.5	399.1	0.8	0.8	41.42	-10.6	5.8	11.6	10.1	1.52	7.645		
500.0	499.8	498.5	497.3	1.0	1.0	24.16	-15.1	17.8	18.1	16.1	2.03	8.904		
600.0	599.3	597.2	594.3	1.2	1.4	16.14	-21.5	34.5	25.2	22.6	2.60	9.703		
700.0	698.1	695.4	689.9	1.5	1.8	11.47	-29.5	55.8	32.8	29.6	3.16	10.381		
800.0	796.7	792.8	783.3	1.8	2.4	7.74	-39.2	81.4	44.2	40.5	3.64	12.136		
900.0	895.3	888.8	874.0	2.2	3.0	5.00	-50.3	111.0	60.7	56.6	4.16	14.607		
1,000.0	993.9	986.1	964.6	2.6	3.7	3.21	-62.8	143.9	80.7	76.0	4.69	17.206		
1,100.0	1,092.5	1,084.0	1,055.9	2.9	4.4	2.11	-75.3	177.2	100.9	95.7	5.23	19.283		
1,200.0	1,191.1	1,181.9	1,147.1	3.3	5.1	1.38	-87.9	210.5	121.1	115.3	5.78	20.949		
1,300.0	1,289.7	1,279.9	1,238.4	3.7	5.8	0.86	-100.4	243.7	141.3	135.0	6.34	22.284		
1,400.0	1,388.3	1,377.8	1,329.6	4.1	6.6	0.47	-113.0	277.0	161.6	154.7	6.91	23.387		
1,500.0	1,486.9	1,475.7	1,420.9	4.4	7.3	0.17	-125.5	310.3	181.8	174.3	7.48	24.308		

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

Cathedral Energy Services

Anticollision Report

Company:	Caerus Oil & Gas (NAD 27)	Local Co-ordinate Reference:	Well PUCKETT 14C-1
Project:	Garfield County, CO	TVD Reference:	KB=22' @ 8446.0usft
Reference Site:	S2-T7S-R97W (Puckett Pad P2)	MD Reference:	KB=22' @ 8446.0usft
Site Error:	0.0usft	North Reference:	True
Reference Well:	PUCKETT 14C-1	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0usft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Survey Program: 0-ISCSWA MWD													Offset Well Error:	0.0 usft
Reference														
Offset				Semi Major Axis			Distance							
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	Warning	
0.0	0.0	0.0	0.0	0.0	0.0	8.46	26.6	4.0	26.9					
100.0	100.0	100.0	100.0	0.1	0.1	8.46	26.6	4.0	26.9	26.7	0.18	153.301		
200.0	200.0	200.0	200.0	0.3	0.3	8.46	26.6	4.0	26.9	26.3	0.62	43.013		
255.6	255.6	255.6	255.6	0.4	0.4	8.46	26.6	4.0	26.9	26.0	0.87	30.721 CC		
300.0	300.0	299.8	299.8	0.5	0.5	8.16	26.7	3.8	27.0	25.9	1.07	25.129 ES		
400.0	400.0	398.9	398.8	0.8	0.8	-111.37	29.2	0.9	29.4	27.9	1.52	19.374		
500.0	499.8	496.6	496.1	1.0	1.0	-128.59	34.8	-5.9	38.9	36.9	2.03	19.132 SF		
600.0	599.3	591.6	590.2	1.2	1.3	-143.34	43.3	-16.1	59.2	56.6	2.66	22.261		
700.0	698.1	686.7	684.0	1.5	1.6	-152.31	53.2	-28.0	87.9	84.7	3.23	27.175		
800.0	796.7	781.5	777.5	1.8	1.9	-157.27	63.0	-39.7	118.8	115.1	3.68	32.281		
900.0	895.3	876.2	871.0	2.2	2.3	-160.19	72.8	-51.5	150.2	146.0	4.13	36.370		
1,000.0	993.9	970.9	964.5	2.6	2.6	-162.09	82.6	-63.2	181.8	177.2	4.59	39.643		

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

Cathedral Energy Services

Anticollision Report

Company:	Caerus Oil & Gas (NAD 27)	Local Co-ordinate Reference:	Well PUCKETT 14C-1
Project:	Garfield County, CO	TVD Reference:	KB=22' @ 8446.0usft
Reference Site:	S2-T7S-R97W (Puckett Pad P2)	MD Reference:	KB=22' @ 8446.0usft
Site Error:	0.0usft	North Reference:	True
Reference Well:	PUCKETT 14C-1	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0usft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 usft	
Survey Program: 0-ISCSWA MWD													Offset Well Error:		0.0 usft
Reference															
Offset				Semi Major Axis			Distance								
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	Warning		
0.0	0.0	0.0	0.0	0.0	0.0	0.00	19.3	0.0	19.3						
100.0	100.0	100.0	100.0	0.1	0.1	0.00	19.3	0.0	19.3	19.1	0.18	110.110			
200.0	200.0	200.0	200.0	0.3	0.3	0.00	19.3	0.0	19.3	18.7	0.62	30.894			
300.0	300.0	300.0	300.0	0.5	0.5	0.00	19.3	0.0	19.3	18.2	1.07	17.968 CC			
311.3	311.3	311.3	311.3	0.6	0.6	-111.99	19.3	0.0	19.3	18.2	1.12	17.177 ES			
400.0	400.0	399.6	399.6	0.8	0.8	-117.38	19.9	-1.3	20.3	18.7	1.52	13.364 SF			
500.0	499.8	498.1	497.9	1.0	1.0	-138.57	22.6	-7.1	27.9	25.8	2.02	13.759			
600.0	599.3	594.2	593.3	1.2	1.2	-155.53	27.2	-17.2	46.8	44.1	2.66	17.571			
700.0	698.1	690.0	688.2	1.5	1.5	-164.12	32.6	-29.1	74.2	71.0	3.23	22.981			
800.0	796.7	785.4	782.7	1.8	1.8	-168.32	38.1	-40.9	103.5	99.9	3.65	28.332			
900.0	895.3	880.8	877.2	2.2	2.1	-170.65	43.5	-52.7	133.1	129.0	4.09	32.544			
1,000.0	993.9	976.2	971.7	2.6	2.4	-172.14	48.9	-64.5	162.9	158.3	4.54	35.889			
1,100.0	1,092.5	1,071.6	1,066.3	2.9	2.7	-173.17	54.3	-76.3	192.7	187.7	4.99	38.585			

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

Cathedral Energy Services

Anticollision Report

Company:	Caerus Oil & Gas (NAD 27)	Local Co-ordinate Reference:	Well PUCKETT 14C-1
Project:	Garfield County, CO	TVD Reference:	KB=22' @ 8446.0usft
Reference Site:	S2-T7S-R97W (Puckett Pad P2)	MD Reference:	KB=22' @ 8446.0usft
Site Error:	0.0usft	North Reference:	True
Reference Well:	PUCKETT 14C-1	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0usft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design S2-T7S-R97W (Puckett Pad P2) - PUCKETT 44A-2 - 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	-17.71	12.4	-4.0	13.0					
100.0	100.0	100.0	100.0	0.1	0.1	-17.71	12.4	-4.0	13.0	12.8	0.18	74.122		
200.0	200.0	200.0	200.0	0.3	0.3	-17.71	12.4	-4.0	13.0	12.4	0.62	20.797		
300.0	300.0	300.0	300.0	0.5	0.5	-17.71	12.4	-4.0	13.0	11.9	1.07	12.095 CC		
336.2	336.2	336.2	336.2	0.6	0.6	-130.22	12.4	-4.0	13.1	11.9	1.24	10.610 ES		
400.0	400.0	399.9	399.9	0.8	0.8	-132.41	12.4	-4.1	13.5	12.0	1.52	8.876 SF		
500.0	499.8	499.0	498.9	1.0	1.0	-153.82	12.7	-8.0	20.1	18.0	2.03	9.906		
600.0	599.3	595.9	595.4	1.2	1.2	-170.29	13.4	-16.7	37.5	34.9	2.64	14.183		
700.0	698.1	691.8	690.6	1.5	1.5	-177.59	14.3	-28.5	64.0	60.8	3.21	19.910		
800.0	796.7	787.7	785.7	1.8	1.7	179.35	15.2	-40.4	92.2	88.6	3.64	25.357		
900.0	895.3	883.5	880.8	2.2	2.0	177.72	16.1	-52.3	120.6	116.5	4.08	29.577		
1,000.0	993.9	979.4	975.9	2.6	2.3	176.71	17.0	-64.1	149.0	144.5	4.53	32.886		
1,100.0	1,092.5	1,075.2	1,071.0	2.9	2.6	176.02	17.9	-76.0	177.4	172.4	4.99	35.526		

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

Cathedral Energy Services

Anticollision Report

Company:	Caerus Oil & Gas (NAD 27)	Local Co-ordinate Reference:	Well PUCKETT 14C-1
Project:	Garfield County, CO	TVD Reference:	KB=22' @ 8446.0usft
Reference Site:	S2-T7S-R97W (Puckett Pad P2)	MD Reference:	KB=22' @ 8446.0usft
Site Error:	0.0usft	North Reference:	True
Reference Well:	PUCKETT 14C-1	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0usft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design S2-T7S-R97W (Puckett Pad P2) - PUCKETT 44B-2 - 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	-58.97	5.1	-8.5	9.9					
100.0	100.0	100.0	100.0	0.1	0.1	-58.97	5.1	-8.5	9.9	9.7	0.18	56.375		
200.0	200.0	200.0	200.0	0.3	0.3	-58.97	5.1	-8.5	9.9	9.3	0.62	15.817		
300.0	300.0	300.0	300.0	0.5	0.5	-58.97	5.1	-8.5	9.9	8.8	1.07	9.199 CC		
308.5	308.5	308.5	308.5	0.6	0.6	-170.92	5.1	-8.5	9.9	8.8	1.11	8.893 ES		
400.0	400.0	399.7	399.7	0.8	0.8	-176.82	4.7	-9.9	11.6	10.0	1.52	7.593 SF		
500.0	499.8	498.4	498.1	1.0	1.0	171.04	2.8	-16.0	22.1	20.0	2.06	10.741		
600.0	599.3	595.2	594.4	1.2	1.2	165.38	-0.5	-26.6	42.4	39.7	2.67	15.889		
700.0	698.1	691.7	690.0	1.5	1.5	164.04	-4.1	-38.3	68.7	65.5	3.21	21.408		
800.0	796.7	787.8	785.4	1.8	1.8	163.73	-7.8	-50.1	96.3	92.6	3.66	26.341		
900.0	895.3	883.9	880.7	2.2	2.1	163.56	-11.4	-61.9	123.8	119.7	4.12	30.039		
1,000.0	993.9	980.1	976.0	2.6	2.4	163.45	-15.0	-73.6	151.4	146.8	4.61	32.873		
1,100.0	1,092.5	1,076.2	1,071.4	2.9	2.7	163.38	-18.7	-85.4	179.0	173.9	5.10	35.094		

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

Cathedral Energy Services

Anticollision Report

Company:	Caerus Oil & Gas (NAD 27)	Local Co-ordinate Reference:	Well PUCKETT 14C-1
Project:	Garfield County, CO	TVD Reference:	KB=22' @ 8446.0usft
Reference Site:	S2-T7S-R97W (Puckett Pad P2)	MD Reference:	KB=22' @ 8446.0usft
Site Error:	0.0usft	North Reference:	True
Reference Well:	PUCKETT 14C-1	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0usft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design S2-T7S-R97W (Puckett Pad P2) - PUCKETT 44C-2 - 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	-98.36	-1.8	-12.4	12.6					
100.0	100.0	100.0	100.0	0.1	0.1	-98.36	-1.8	-12.4	12.6	12.4	0.18	71.614		
200.0	200.0	200.0	200.0	0.3	0.3	-98.36	-1.8	-12.4	12.6	11.9	0.62	20.093		
255.6	255.6	255.6	255.6	0.4	0.4	-98.36	-1.8	-12.4	12.6	11.7	0.87	14.354	CC	
300.0	300.0	299.9	299.9	0.5	0.5	-98.69	-1.9	-12.6	12.7	11.6	1.07	11.886	ES	
400.0	400.0	399.1	399.0	0.8	0.7	144.58	-4.1	-15.7	16.8	15.3	1.51	11.161	SF	
500.0	499.8	497.2	496.7	1.0	1.0	143.79	-9.2	-23.0	29.5	27.4	2.03	14.505		
600.0	599.3	593.8	592.4	1.2	1.2	144.84	-16.9	-33.9	50.7	48.1	2.63	19.242		
700.0	698.1	690.3	687.8	1.5	1.6	147.00	-25.1	-45.6	76.9	73.7	3.20	24.005		
800.0	796.7	786.4	782.9	1.8	1.9	148.61	-33.2	-57.2	104.2	100.5	3.70	28.141		
900.0	895.3	882.6	878.0	2.2	2.2	149.55	-41.4	-68.8	131.5	127.3	4.22	31.158		
1,000.0	993.9	978.8	973.1	2.6	2.6	150.16	-49.6	-80.5	158.9	154.2	4.76	33.418		
1,100.0	1,092.5	1,074.9	1,068.2	2.9	2.9	150.60	-57.7	-92.1	186.3	181.0	5.30	35.160		

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

Cathedral Energy Services

Anticollision Report

Company:	Caerus Oil & Gas (NAD 27)	Local Co-ordinate Reference:	Well PUCKETT 14C-1
Project:	Garfield County, CO	TVD Reference:	KB=22' @ 8446.0usft
Reference Site:	S2-T7S-R97W (Puckett Pad P2)	MD Reference:	KB=22' @ 8446.0usft
Site Error:	0.0usft	North Reference:	True
Reference Well:	PUCKETT 14C-1	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0usft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 usft	
Survey Program: 0-ISWWSA MWD													Offset Well Error:		0.0 usft
Reference															
Offset				Semi Major Axis			Distance								
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	Warning		
0.0	0.0	0.0	0.0	0.0	0.0	-116.08	-8.0	-16.4	18.2						
100.0	100.0	100.0	100.0	0.1	0.1	-116.08	-8.0	-16.4	18.2	18.1	0.18	103.980			
200.0	200.0	200.0	200.0	0.3	0.3	-116.08	-8.0	-16.4	18.2	17.6	0.62	29.174 CC, ES			
300.0	300.0	299.3	299.3	0.5	0.5	-117.63	-9.1	-17.3	19.6	18.5	1.06	18.537			
400.0	400.0	398.0	397.7	0.8	0.7	126.59	-13.8	-21.6	26.2	24.6	1.51	17.294 SF			
500.0	499.8	495.3	494.4	1.0	1.0	127.61	-22.1	-29.2	40.4	38.4	2.02	19.958			
600.0	599.3	591.1	588.9	1.2	1.3	130.14	-33.8	-39.8	62.4	59.8	2.62	23.860			
700.0	698.1	687.4	683.6	1.5	1.7	133.34	-46.4	-51.4	89.1	85.9	3.21	27.784			
800.0	796.7	783.3	778.1	1.8	2.0	135.76	-59.1	-62.9	116.8	113.1	3.76	31.050			
900.0	895.3	879.3	872.5	2.2	2.4	137.25	-71.7	-74.4	144.7	140.4	4.34	33.354			
1,000.0	993.9	975.3	967.0	2.6	2.8	138.26	-84.4	-85.9	172.6	167.7	4.93	35.033			

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

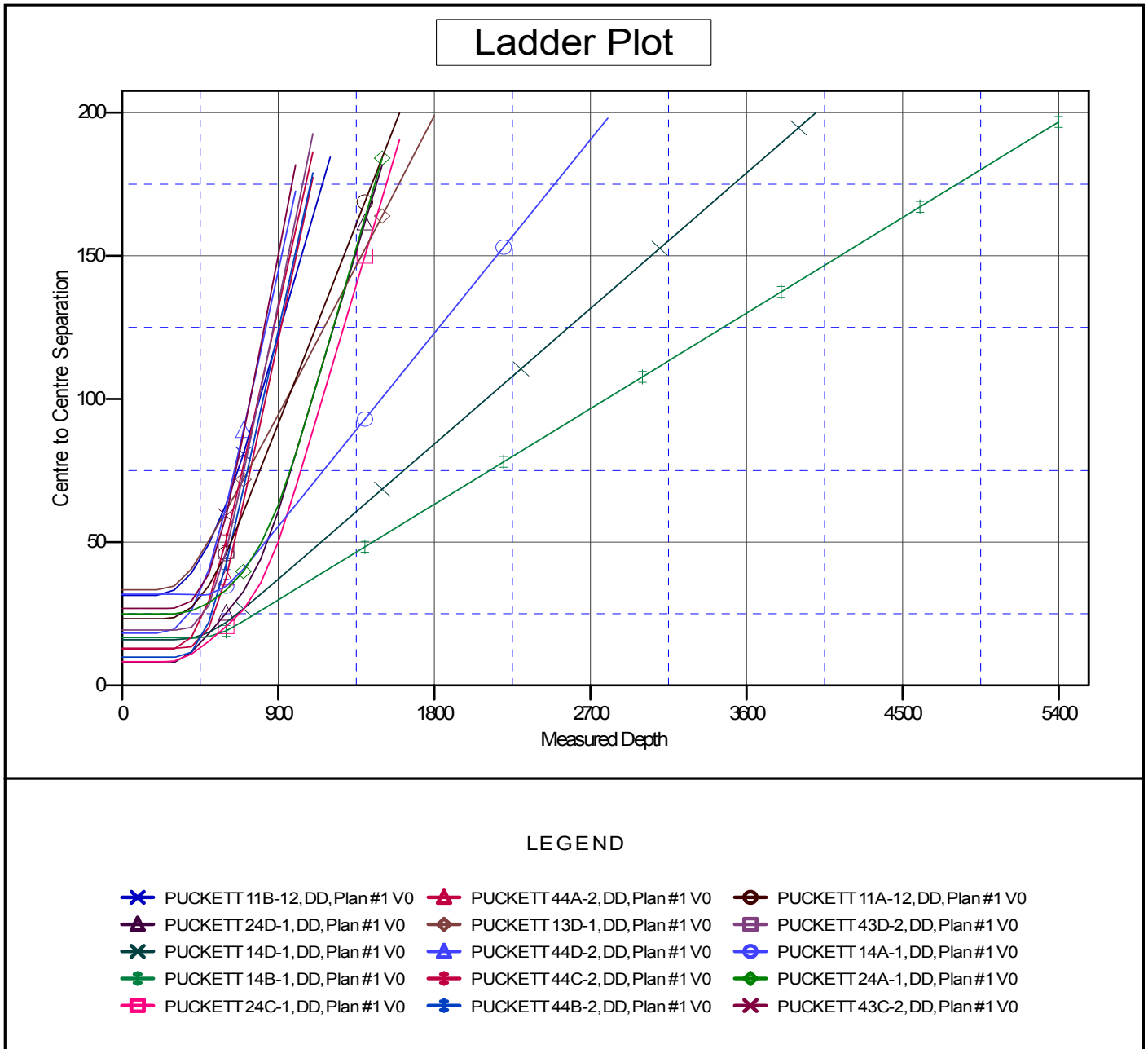
Cathedral Energy Services

Anticollision Report

Company: Caerus Oil & Gas (NAD 27)	Local Co-ordinate Reference: Well PUCKETT 14C-1	
Project: Garfield County, CO	TVD Reference: KB=22' @ 8446.0usft	
Reference Site: S2-T7S-R97W (Puckett Pad P2)	MD Reference: KB=22' @ 8446.0usft	
Site Error: 0.0usft	North Reference: True	
Reference Well: PUCKETT 14C-1	Survey Calculation Method: Minimum Curvature	
Well Error: 0.0usft	Output errors are at 2.00 sigma	
Reference Wellbore DD	Database: USA EDM 5000 Multi Users DB	
Reference Design: Plan #1	Offset TVD Reference: Offset Datum	

Reference Depths are relative to KB=22' @ 8446.0usft
 Offset Depths are relative to Offset Datum
 Central Meridian is -105.500000 °

Coordinates are relative to: PUCKETT 14C-1
 Coordinate System is US State Plane 1927 (Exact solution), Colorado Central 502
 Grid Convergence at Surface is: -1.69°



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