

CIVITAS RESOURCES

ARAPAHOE COUNTY

SEC 21-T4S-R65W

GRANDE 4-65 20-19 1AH

OWB

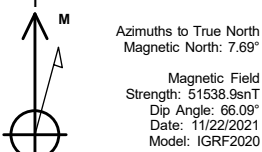
Plan: PROPOSAL 1

Standard Planning Report

24 November, 2021



Project: ARAPAHOE COUNTY
Site: SEC 21-T4S-R65W
Well: GRANDE 4-65 20-19 1AH
Wellbore: OWB
Design: PROPOSAL 1



WELL DETAILS: GRANDE 4-65 20-19 1AH

5659.40					
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	1678804.96	3231952.75	39.694231°N	104.675724°W

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	2165.18	1.07	165.14	2163.84	16.58	-3.04	0.00	0.00	3.59	
2	2220.18	1.07	165.14	2218.83	15.58	-2.77	0.00	0.00	3.29	
3	2730.19	9.34	306.79	2726.76	35.82	-34.78	2.00	145.34	35.96	
4	7444.84	9.34	306.79	7378.90	494.01	-647.55	0.00	0.00	663.67	
5	8270.17	90.00	269.99	7875.00	542.80	-1215.66	10.00	-37.16	1233.08	GRANDE 4-65 1AH-LP
6	23258.24	90.00	269.99	7875.00	540.62	-16203.73	0.00	0.00	16212.75	GRANDE 4-65 1AH-PBHL

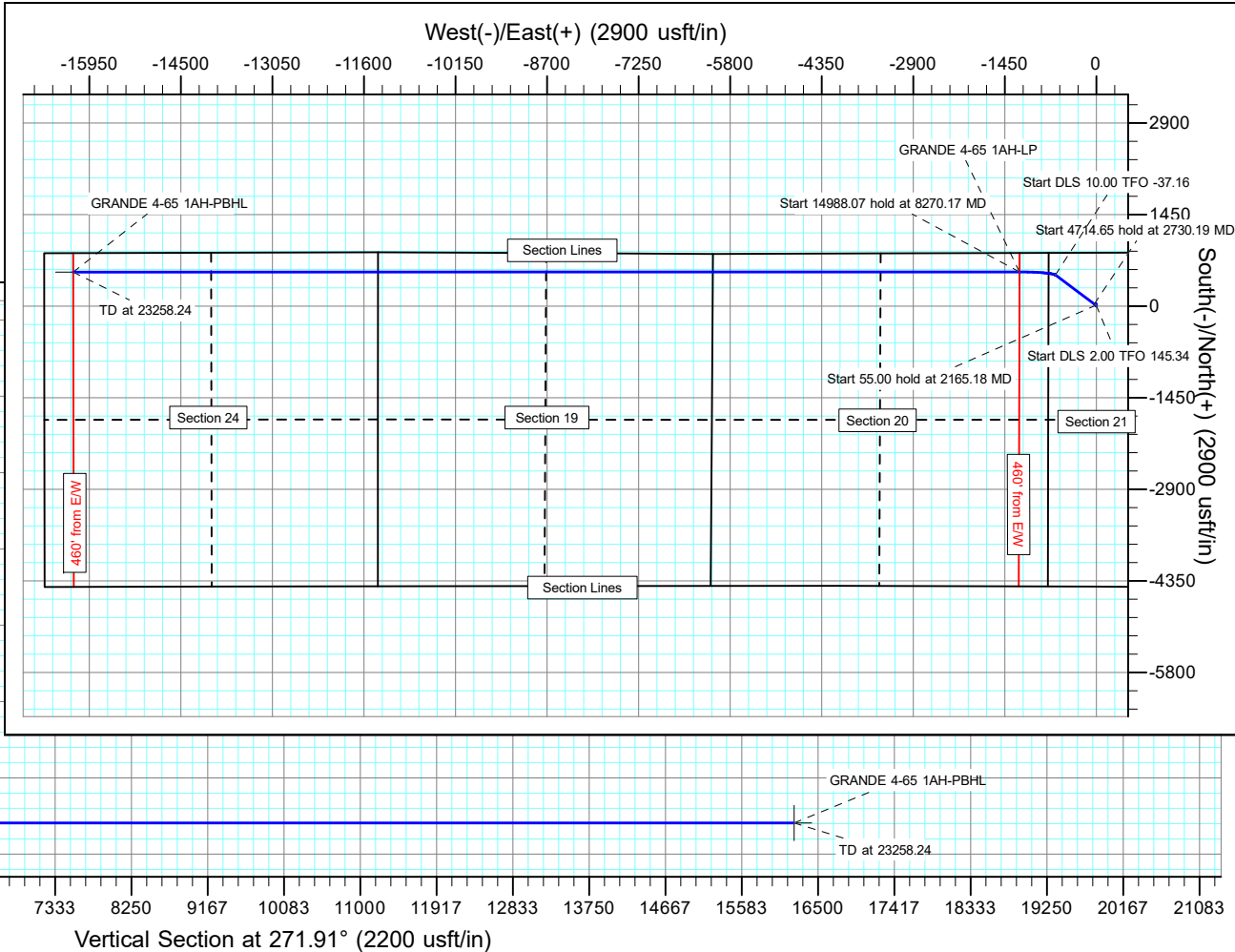
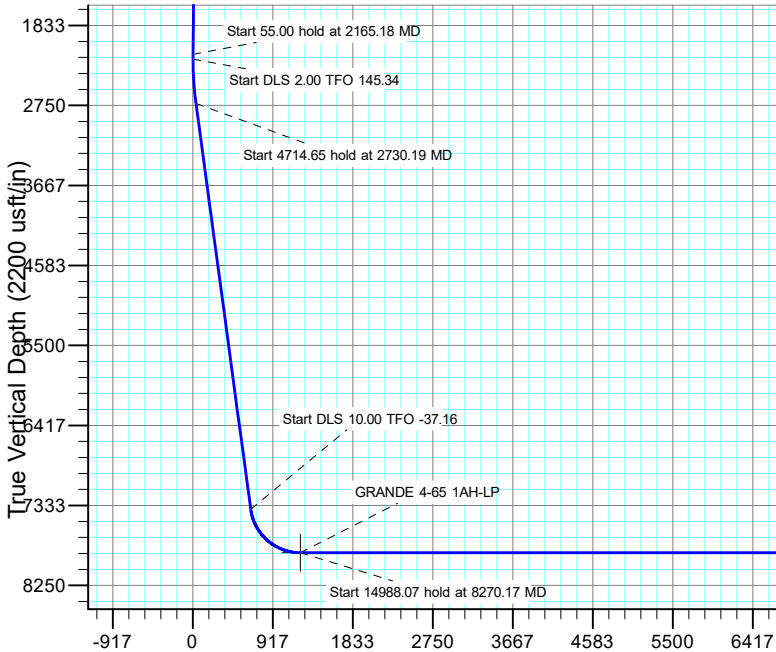
ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	VSect	Departure	Annotation
2165.18	1.07	165.14	2163.84	16.58	-3.04	3.59	0.00	Start 55.00 hold at 2165.18 MD
2220.18	1.07	165.14	2218.83	15.58	-2.77	3.29	1.03	Start DLS 2.00 TFO 145.34
2730.19	9.34	306.79	2726.76	35.82	-34.78	35.96	40.48	Start 4714.65 hold at 2730.19 MD
7444.84	9.34	306.79	7378.90	494.01	-647.55	663.67	805.61	Start DLS 10.00 TFO -37.16
8270.17	90.00	269.99	7875.00	542.80	-1215.66	1233.08	1378.40	Start 14988.07 hold at 8270.17 MD
23258.24	90.00	269.99	7875.00	540.62	-16203.73	16212.75	16366.47	TD at 23258.24

PROJECT DETAILS: ARAPAHOE COUNTY

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

SHL:
846' FNL, 757' FWL
SEC 21-T4S-R65W
LP:
300' FNL, 460' FEL
SEC 20-T4S-R65W
BHL:
300' FNL, 460' FWL
SEC 24-T4S-R66W



Planning Report

Database:	EDT_32Bit_ODBC	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Company:	CIVITAS RESOURCES	TVD Reference:	KB 24' @ 5683.40usft
Project:	ARAPAHOE COUNTY	MD Reference:	KB 24' @ 5683.40usft
Site:	SEC 21-T4S-R65W	North Reference:	True
Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PROPOSAL 1		

Project	ARAPAHOE COUNTY		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Central Zone		Using geodetic scale factor

Site		SEC 21-T4S-R65W			
Site Position:		Northing:	1,677,001.96 usft	Latitude:	39.689300°N
From:	Lat/Long	Easting:	3,231,207.26 usft	Longitude:	104.678431°W
Position Uncertainty:	0.00 usft	Slot Radius:	13.200 in	Grid Convergence:	0.52 °

Well	GRANDE 4-65 20-19 1AH					
Well Position	+N/-S	1,796.20 usft	Northing:	1,678,804.96 usft	Latitude:	39.694231°N
	+E/-W	761.77 usft	Easting:	3,231,952.75 usft	Longitude:	104.675724°W
Position Uncertainty		0.00 usft	Wellhead Elevation:		Ground Level:	5,659.40 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	11/22/2021	7.69	66.09	51,538.86063381

Design	PROPOSAL 1				
Audit Notes:					
Version:		Phase:	PROTOTYPE	Tie On Depth:	2,165.18
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	271.91	

Plan Survey Tool Program	Date	11/24/2021			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	29.48	2,165.18	SURFACE SURVEY (OWB)	MWD OWSG	
				OWSG MWD - Standard	
2	2,165.18	23,258.24	PROPOSAL 1 (OWB)	MWD OWSG	
				OWSG MWD - Standard	

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
2,165.18	1.07	165.14	2,163.84	16.58	-3.04	0.00	0.00	0.00	0.00	
2,220.18	1.07	165.14	2,218.83	15.58	-2.77	0.00	0.00	0.00	0.00	
2,730.19	9.34	306.79	2,726.76	35.82	-34.78	2.00	1.62	27.77	145.34	
7,444.84	9.34	306.79	7,378.91	494.01	-647.55	0.00	0.00	0.00	0.00	
8,270.17	90.00	269.99	7,875.00	542.80	-1,215.66	10.00	9.77	-4.46	-37.16	GRANDE 4-65 1AH-L
23,258.24	90.00	269.99	7,875.00	540.62	-16,203.73	0.00	0.00	0.00	0.00	GRANDE 4-65 1AH-F

Planning Report

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Project:	ARAPAHOE COUNTY	MD Reference:	KB 24' @ 5683.40usft
Site:	SEC 21-T4S-R65W	North Reference:	True
Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PROPOSAL 1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29.48	0.42	187.15	29.48	-0.11	-0.01	0.01	1.42	1.42	0.00
60.08	0.11	175.27	60.08	-0.25	-0.02	0.02	1.02	-1.01	-38.82
121.28	0.75	4.58	121.28	0.09	0.01	-0.01	1.40	1.05	-278.90
151.88	0.88	90.42	151.88	0.29	0.26	-0.25	3.64	0.42	280.52
182.48	0.10	207.48	182.47	0.27	0.49	-0.48	3.04	-2.55	382.55
213.08	0.32	195.86	213.07	0.16	0.45	-0.44	0.73	0.72	-37.97
243.68	0.46	240.82	243.67	0.02	0.32	-0.32	1.06	0.46	146.93
286.38	0.53	198.79	286.37	-0.25	0.11	-0.11	0.85	0.16	-98.43
329.08	0.75	209.46	329.07	-0.68	-0.10	0.07	0.58	0.52	24.99
371.78	0.58	232.75	371.77	-1.06	-0.40	0.37	0.74	-0.40	54.54
414.48	0.91	342.05	414.46	-0.87	-0.68	0.65	2.88	0.77	255.97
457.18	2.18	357.88	457.15	0.27	-0.82	0.82	3.11	2.97	37.07
499.88	2.84	7.17	499.81	2.13	-0.71	0.78	1.81	1.55	21.76
542.58	3.31	7.93	542.45	4.40	-0.41	0.56	1.10	1.10	1.78
585.28	3.28	6.76	585.08	6.83	-0.10	0.33	0.17	-0.07	-2.74
627.98	3.30	5.80	627.70	9.27	0.17	0.14	0.14	0.05	-2.25
670.68	4.03	4.53	670.32	11.99	0.41	-0.01	1.72	1.71	-2.97
713.38	4.46	359.78	712.90	15.14	0.53	-0.02	1.30	1.01	-11.12
756.08	5.22	1.28	755.45	18.75	0.56	0.06	1.80	1.78	3.51
798.78	5.61	357.79	797.96	22.77	0.53	0.23	1.20	0.91	-8.17
841.48	4.11	351.15	840.50	26.37	0.21	0.67	3.75	-3.51	-15.55
884.18	3.16	349.01	883.12	29.04	-0.25	1.22	2.25	-2.22	-5.01
926.88	2.28	348.48	925.77	31.03	-0.64	1.68	2.06	-2.06	-1.24
969.58	1.74	351.67	968.44	32.50	-0.91	1.99	1.29	-1.26	7.47
1,012.28	0.81	352.68	1,011.13	33.44	-1.04	2.16	2.18	-2.18	2.37
1,054.98	0.47	342.20	1,053.83	33.91	-1.13	2.26	0.84	-0.80	-24.54
1,097.68	0.17	260.43	1,096.53	34.06	-1.25	2.38	1.12	-0.70	-191.50
1,140.38	0.51	209.44	1,139.23	33.89	-1.40	2.53	0.99	0.80	-119.41
1,183.08	0.50	226.35	1,181.92	33.59	-1.63	2.75	0.35	-0.02	39.60
1,225.78	0.56	237.67	1,224.62	33.35	-1.94	3.05	0.28	0.14	26.51
1,268.48	0.88	202.88	1,267.32	32.94	-2.25	3.34	1.24	0.75	-81.48
1,311.18	1.06	202.09	1,310.01	32.27	-2.52	3.60	0.42	0.42	-1.85
1,353.88	1.06	205.03	1,352.71	31.55	-2.84	3.89	0.13	0.00	6.89
1,396.58	1.24	206.82	1,395.40	30.78	-3.21	4.24	0.43	0.42	4.19
1,439.28	1.22	202.86	1,438.09	29.95	-3.60	4.60	0.20	-0.05	-9.27
1,481.98	1.47	206.79	1,480.78	29.04	-4.02	4.99	0.62	0.59	9.20
1,524.68	1.68	208.12	1,523.46	28.00	-4.57	5.50	0.50	0.49	3.11
1,567.38	1.71	208.00	1,566.14	26.88	-5.16	6.05	0.07	0.07	-0.28
1,610.08	1.18	195.67	1,608.83	25.90	-5.58	6.44	1.43	-1.24	-28.88
1,652.78	0.63	171.13	1,651.52	25.24	-5.66	6.50	1.55	-1.29	-57.47
1,695.48	0.68	165.75	1,694.22	24.76	-5.56	6.38	0.19	0.12	-12.60
1,738.18	0.85	152.45	1,736.92	24.24	-5.35	6.16	0.57	0.40	-31.15
1,780.88	0.69	156.05	1,779.61	23.72	-5.10	5.89	0.39	-0.37	8.43
1,823.58	0.82	163.57	1,822.31	23.19	-4.91	5.68	0.38	0.30	17.61
1,866.28	1.05	167.88	1,865.00	22.52	-4.74	5.49	0.56	0.54	10.09
1,908.98	1.10	164.78	1,907.69	21.74	-4.55	5.27	0.18	0.12	-7.26
1,951.68	1.18	163.71	1,950.39	20.92	-4.32	5.02	0.19	0.19	-2.51
1,994.38	1.30	164.09	1,993.08	20.04	-4.07	4.73	0.28	0.28	0.89
2,037.08	1.26	166.17	2,035.77	19.11	-3.82	4.46	0.14	-0.09	4.87
2,079.78	1.29	159.63	2,078.46	18.21	-3.54	4.15	0.35	0.07	-15.32
2,122.48	1.11	163.63	2,121.15	17.36	-3.26	3.83	0.46	-0.42	9.37
2,165.18	1.07	165.14	2,163.84	16.58	-3.04	3.59	0.12	-0.09	3.54
Start 55.00 hold at 2165.18 MD									

Planning Report

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Company:	CIVITAS RESOURCES	TVD Reference:	KB 24' @ 5683.40usft
Project:	ARAPAHOE COUNTY	MD Reference:	KB 24' @ 5683.40usft
Site:	SEC 21-T4S-R65W	North Reference:	True
Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PROPOSAL 1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
2,200.00	1.07	165.14	2,198.65	15.95	-2.87	3.40	0.00	0.00	0.00
2,220.18	1.07	165.14	2,218.83	15.58	-2.77	3.29	0.00	0.00	0.00
Start DLS 2.00 TFO 145.34									
2,300.00	0.94	270.14	2,298.64	14.87	-3.24	3.73	2.00	-0.16	131.55
2,400.00	2.78	297.87	2,398.59	16.00	-6.20	6.74	2.00	1.84	27.73
2,500.00	4.76	303.15	2,498.36	19.41	-11.82	12.46	2.00	1.97	5.28
2,600.00	6.74	305.34	2,597.86	25.07	-20.08	20.91	2.00	1.99	2.18
2,700.00	8.74	306.53	2,696.94	32.99	-30.98	32.06	2.00	1.99	1.19
2,730.19	9.34	306.79	2,726.76	35.82	-34.78	35.96	2.00	2.00	0.86
Start 4714.65 hold at 2730.19 MD									
2,800.00	9.34	306.79	2,795.64	42.60	-43.85	45.25	0.00	0.00	0.00
2,900.00	9.34	306.79	2,894.31	52.32	-56.85	58.56	0.00	0.00	0.00
3,000.00	9.34	306.79	2,992.99	62.04	-69.85	71.88	0.00	0.00	0.00
3,100.00	9.34	306.79	3,091.66	71.76	-82.85	85.19	0.00	0.00	0.00
3,200.00	9.34	306.79	3,190.34	81.48	-95.84	98.51	0.00	0.00	0.00
3,300.00	9.34	306.79	3,289.01	91.19	-108.84	111.82	0.00	0.00	0.00
3,400.00	9.34	306.79	3,387.69	100.91	-121.84	125.14	0.00	0.00	0.00
3,500.00	9.34	306.79	3,486.36	110.63	-134.84	138.45	0.00	0.00	0.00
3,600.00	9.34	306.79	3,585.03	120.35	-147.83	151.76	0.00	0.00	0.00
3,700.00	9.34	306.79	3,683.71	130.07	-160.83	165.08	0.00	0.00	0.00
3,800.00	9.34	306.79	3,782.38	139.79	-173.83	178.39	0.00	0.00	0.00
3,900.00	9.34	306.79	3,881.06	149.51	-186.82	191.71	0.00	0.00	0.00
4,000.00	9.34	306.79	3,979.73	159.22	-199.82	205.02	0.00	0.00	0.00
4,100.00	9.34	306.79	4,078.41	168.94	-212.82	218.33	0.00	0.00	0.00
4,200.00	9.34	306.79	4,177.08	178.66	-225.82	231.65	0.00	0.00	0.00
4,300.00	9.34	306.79	4,275.76	188.38	-238.81	244.96	0.00	0.00	0.00
4,400.00	9.34	306.79	4,374.43	198.10	-251.81	258.28	0.00	0.00	0.00
4,500.00	9.34	306.79	4,473.10	207.82	-264.81	271.59	0.00	0.00	0.00
4,600.00	9.34	306.79	4,571.78	217.53	-277.80	284.90	0.00	0.00	0.00
4,700.00	9.34	306.79	4,670.45	227.25	-290.80	298.22	0.00	0.00	0.00
4,800.00	9.34	306.79	4,769.13	236.97	-303.80	311.53	0.00	0.00	0.00
4,900.00	9.34	306.79	4,867.80	246.69	-316.80	324.85	0.00	0.00	0.00
5,000.00	9.34	306.79	4,966.48	256.41	-329.79	338.16	0.00	0.00	0.00
5,100.00	9.34	306.79	5,065.15	266.13	-342.79	351.47	0.00	0.00	0.00
5,200.00	9.34	306.79	5,163.82	275.84	-355.79	364.79	0.00	0.00	0.00
5,300.00	9.34	306.79	5,262.50	285.56	-368.79	378.10	0.00	0.00	0.00
5,400.00	9.34	306.79	5,361.17	295.28	-381.78	391.42	0.00	0.00	0.00
5,500.00	9.34	306.79	5,459.85	305.00	-394.78	404.73	0.00	0.00	0.00
5,600.00	9.34	306.79	5,558.52	314.72	-407.78	418.04	0.00	0.00	0.00
5,700.00	9.34	306.79	5,657.20	324.44	-420.77	431.36	0.00	0.00	0.00
5,800.00	9.34	306.79	5,755.87	334.16	-433.77	444.67	0.00	0.00	0.00
5,900.00	9.34	306.79	5,854.54	343.87	-446.77	457.99	0.00	0.00	0.00
6,000.00	9.34	306.79	5,953.22	353.59	-459.77	471.30	0.00	0.00	0.00
6,100.00	9.34	306.79	6,051.89	363.31	-472.76	484.61	0.00	0.00	0.00
6,200.00	9.34	306.79	6,150.57	373.03	-485.76	497.93	0.00	0.00	0.00
6,300.00	9.34	306.79	6,249.24	382.75	-498.76	511.24	0.00	0.00	0.00
6,400.00	9.34	306.79	6,347.92	392.47	-511.75	524.56	0.00	0.00	0.00
6,500.00	9.34	306.79	6,446.59	402.18	-524.75	537.87	0.00	0.00	0.00
6,600.00	9.34	306.79	6,545.26	411.90	-537.75	551.18	0.00	0.00	0.00
6,700.00	9.34	306.79	6,643.94	421.62	-550.75	564.50	0.00	0.00	0.00
6,800.00	9.34	306.79	6,742.61	431.34	-563.74	577.81	0.00	0.00	0.00
6,900.00	9.34	306.79	6,841.29	441.06	-576.74	591.13	0.00	0.00	0.00
7,000.00	9.34	306.79	6,939.96	450.78	-589.74	604.44	0.00	0.00	0.00
7,100.00	9.34	306.79	7,038.64	460.50	-602.74	617.76	0.00	0.00	0.00

Planning Report

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Company:	CIVITAS RESOURCES	TVD Reference:	KB 24' @ 5683.40usft
Project:	ARAPAHOE COUNTY	MD Reference:	KB 24' @ 5683.40usft
Site:	SEC 21-T4S-R65W	North Reference:	True
Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PROPOSAL 1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
7,200.00	9.34	306.79	7,137.31	470.21	-615.73	631.07	0.00	0.00	0.00
7,300.00	9.34	306.79	7,235.99	479.93	-628.73	644.38	0.00	0.00	0.00
7,400.00	9.34	306.79	7,334.66	489.65	-641.73	657.70	0.00	0.00	0.00
7,444.84	9.34	306.79	7,378.91	494.01	-647.55	663.67	0.00	0.00	0.00
Start DLS 10.00 TFO -37.16									
7,450.00	9.76	304.95	7,383.99	494.51	-648.25	664.38	10.00	8.06	-35.65
7,500.00	14.13	293.03	7,432.91	499.33	-657.34	673.63	10.00	8.75	-23.84
7,550.00	18.81	286.80	7,480.84	504.05	-670.69	687.12	10.00	9.37	-12.46
7,600.00	23.63	283.01	7,527.44	508.63	-688.18	704.76	10.00	9.62	-7.58
7,650.00	28.50	280.45	7,572.35	513.05	-709.69	726.40	10.00	9.75	-5.12
7,700.00	33.41	278.58	7,615.21	517.27	-735.04	751.88	10.00	9.82	-3.73
7,750.00	38.34	277.15	7,655.72	521.26	-764.06	781.01	10.00	9.86	-2.87
7,800.00	43.28	276.00	7,693.55	524.98	-796.51	813.57	10.00	9.89	-2.30
7,850.00	48.23	275.04	7,728.43	528.41	-832.15	849.31	10.00	9.91	-1.91
7,900.00	53.19	274.22	7,760.08	531.53	-870.71	887.95	10.00	9.92	-1.64
7,950.00	58.16	273.50	7,788.27	534.30	-911.90	929.20	10.00	9.93	-1.44
8,000.00	63.12	272.85	7,812.78	536.70	-955.39	972.76	10.00	9.94	-1.29
8,050.00	68.09	272.26	7,833.42	538.73	-1,000.87	1,018.28	10.00	9.94	-1.18
8,100.00	73.07	271.71	7,850.04	540.36	-1,047.98	1,065.42	10.00	9.95	-1.10
8,150.00	78.04	271.19	7,862.51	541.58	-1,096.37	1,113.82	10.00	9.95	-1.05
8,200.00	83.02	270.68	7,870.73	542.38	-1,145.67	1,163.12	10.00	9.95	-1.01
8,250.00	87.99	270.19	7,874.65	542.76	-1,195.50	1,212.93	10.00	9.95	-0.99
8,270.17	90.00	269.99	7,875.00	542.80	-1,215.66	1,233.08	10.00	9.95	-0.98
Start 14988.07 hold at 8270.17 MD									
8,300.00	90.00	269.99	7,875.00	542.79	-1,245.49	1,262.90	0.00	0.00	0.00
8,400.00	90.00	269.99	7,875.00	542.78	-1,345.49	1,362.84	0.00	0.00	0.00
8,500.00	90.00	269.99	7,875.00	542.76	-1,445.49	1,462.79	0.00	0.00	0.00
8,600.00	90.00	269.99	7,875.00	542.75	-1,545.49	1,562.73	0.00	0.00	0.00
8,700.00	90.00	269.99	7,875.00	542.73	-1,645.49	1,662.68	0.00	0.00	0.00
8,800.00	90.00	269.99	7,875.00	542.72	-1,745.49	1,762.62	0.00	0.00	0.00
8,900.00	90.00	269.99	7,875.00	542.70	-1,845.49	1,862.56	0.00	0.00	0.00
9,000.00	90.00	269.99	7,875.00	542.69	-1,945.49	1,962.51	0.00	0.00	0.00
9,100.00	90.00	269.99	7,875.00	542.67	-2,045.49	2,062.45	0.00	0.00	0.00
9,200.00	90.00	269.99	7,875.00	542.66	-2,145.49	2,162.39	0.00	0.00	0.00
9,300.00	90.00	269.99	7,875.00	542.65	-2,245.49	2,262.34	0.00	0.00	0.00
9,400.00	90.00	269.99	7,875.00	542.63	-2,345.49	2,362.28	0.00	0.00	0.00
9,500.00	90.00	269.99	7,875.00	542.62	-2,445.49	2,462.23	0.00	0.00	0.00
9,600.00	90.00	269.99	7,875.00	542.60	-2,545.49	2,562.17	0.00	0.00	0.00
9,700.00	90.00	269.99	7,875.00	542.59	-2,645.49	2,662.11	0.00	0.00	0.00
9,800.00	90.00	269.99	7,875.00	542.57	-2,745.49	2,762.06	0.00	0.00	0.00
9,900.00	90.00	269.99	7,875.00	542.56	-2,845.49	2,862.00	0.00	0.00	0.00
10,000.00	90.00	269.99	7,875.00	542.54	-2,945.49	2,961.95	0.00	0.00	0.00
10,100.00	90.00	269.99	7,875.00	542.53	-3,045.49	3,061.89	0.00	0.00	0.00
10,200.00	90.00	269.99	7,875.00	542.51	-3,145.49	3,161.83	0.00	0.00	0.00
10,300.00	90.00	269.99	7,875.00	542.50	-3,245.49	3,261.78	0.00	0.00	0.00
10,400.00	90.00	269.99	7,875.00	542.49	-3,345.49	3,361.72	0.00	0.00	0.00
10,500.00	90.00	269.99	7,875.00	542.47	-3,445.49	3,461.67	0.00	0.00	0.00
10,600.00	90.00	269.99	7,875.00	542.46	-3,545.49	3,561.61	0.00	0.00	0.00
10,700.00	90.00	269.99	7,875.00	542.44	-3,645.49	3,661.55	0.00	0.00	0.00
10,800.00	90.00	269.99	7,875.00	542.43	-3,745.49	3,761.50	0.00	0.00	0.00
10,900.00	90.00	269.99	7,875.00	542.41	-3,845.49	3,861.44	0.00	0.00	0.00
11,000.00	90.00	269.99	7,875.00	542.40	-3,945.49	3,961.39	0.00	0.00	0.00
11,100.00	90.00	269.99	7,875.00	542.38	-4,045.49	4,061.33	0.00	0.00	0.00

Planning Report

Database:	EDT_32Bit_ODBC	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Company:	CIVITAS RESOURCES	TVD Reference:	KB 24' @ 5683.40usft
Project:	ARAPAHOE COUNTY	MD Reference:	KB 24' @ 5683.40usft
Site:	SEC 21-T4S-R65W	North Reference:	True
Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PROPOSAL 1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
11,200.00	90.00	269.99	7,875.00	542.37	-4,145.49	4,161.27	0.00	0.00	0.00
11,300.00	90.00	269.99	7,875.00	542.35	-4,245.49	4,261.22	0.00	0.00	0.00
11,400.00	90.00	269.99	7,875.00	542.34	-4,345.49	4,361.16	0.00	0.00	0.00
11,500.00	90.00	269.99	7,875.00	542.33	-4,445.49	4,461.10	0.00	0.00	0.00
11,600.00	90.00	269.99	7,875.00	542.31	-4,545.49	4,561.05	0.00	0.00	0.00
11,700.00	90.00	269.99	7,875.00	542.30	-4,645.49	4,660.99	0.00	0.00	0.00
11,800.00	90.00	269.99	7,875.00	542.28	-4,745.49	4,760.94	0.00	0.00	0.00
11,900.00	90.00	269.99	7,875.00	542.27	-4,845.49	4,860.88	0.00	0.00	0.00
12,000.00	90.00	269.99	7,875.00	542.25	-4,945.49	4,960.82	0.00	0.00	0.00
12,100.00	90.00	269.99	7,875.00	542.24	-5,045.49	5,060.77	0.00	0.00	0.00
12,200.00	90.00	269.99	7,875.00	542.22	-5,145.49	5,160.71	0.00	0.00	0.00
12,300.00	90.00	269.99	7,875.00	542.21	-5,245.49	5,260.66	0.00	0.00	0.00
12,400.00	90.00	269.99	7,875.00	542.19	-5,345.49	5,360.60	0.00	0.00	0.00
12,500.00	90.00	269.99	7,875.00	542.18	-5,445.49	5,460.54	0.00	0.00	0.00
12,600.00	90.00	269.99	7,875.00	542.17	-5,545.49	5,560.49	0.00	0.00	0.00
12,700.00	90.00	269.99	7,875.00	542.15	-5,645.49	5,660.43	0.00	0.00	0.00
12,800.00	90.00	269.99	7,875.00	542.14	-5,745.49	5,760.38	0.00	0.00	0.00
12,900.00	90.00	269.99	7,875.00	542.12	-5,845.49	5,860.32	0.00	0.00	0.00
13,000.00	90.00	269.99	7,875.00	542.11	-5,945.49	5,960.26	0.00	0.00	0.00
13,100.00	90.00	269.99	7,875.00	542.09	-6,045.49	6,060.21	0.00	0.00	0.00
13,200.00	90.00	269.99	7,875.00	542.08	-6,145.49	6,160.15	0.00	0.00	0.00
13,300.00	90.00	269.99	7,875.00	542.06	-6,245.49	6,260.10	0.00	0.00	0.00
13,400.00	90.00	269.99	7,875.00	542.05	-6,345.49	6,360.04	0.00	0.00	0.00
13,500.00	90.00	269.99	7,875.00	542.04	-6,445.49	6,459.98	0.00	0.00	0.00
13,600.00	90.00	269.99	7,875.00	542.02	-6,545.49	6,559.93	0.00	0.00	0.00
13,700.00	90.00	269.99	7,875.00	542.01	-6,645.49	6,659.87	0.00	0.00	0.00
13,800.00	90.00	269.99	7,875.00	541.99	-6,745.49	6,759.81	0.00	0.00	0.00
13,900.00	90.00	269.99	7,875.00	541.98	-6,845.49	6,859.76	0.00	0.00	0.00
14,000.00	90.00	269.99	7,875.00	541.96	-6,945.49	6,959.70	0.00	0.00	0.00
14,100.00	90.00	269.99	7,875.00	541.95	-7,045.49	7,059.65	0.00	0.00	0.00
14,200.00	90.00	269.99	7,875.00	541.93	-7,145.49	7,159.59	0.00	0.00	0.00
14,300.00	90.00	269.99	7,875.00	541.92	-7,245.49	7,259.53	0.00	0.00	0.00
14,400.00	90.00	269.99	7,875.00	541.90	-7,345.49	7,359.48	0.00	0.00	0.00
14,500.00	90.00	269.99	7,875.00	541.89	-7,445.49	7,459.42	0.00	0.00	0.00
14,600.00	90.00	269.99	7,875.00	541.88	-7,545.49	7,559.37	0.00	0.00	0.00
14,700.00	90.00	269.99	7,875.00	541.86	-7,645.49	7,659.31	0.00	0.00	0.00
14,800.00	90.00	269.99	7,875.00	541.85	-7,745.49	7,759.25	0.00	0.00	0.00
14,900.00	90.00	269.99	7,875.00	541.83	-7,845.49	7,859.20	0.00	0.00	0.00
15,000.00	90.00	269.99	7,875.00	541.82	-7,945.49	7,959.14	0.00	0.00	0.00
15,100.00	90.00	269.99	7,875.00	541.80	-8,045.49	8,059.09	0.00	0.00	0.00
15,200.00	90.00	269.99	7,875.00	541.79	-8,145.49	8,159.03	0.00	0.00	0.00
15,300.00	90.00	269.99	7,875.00	541.77	-8,245.49	8,258.97	0.00	0.00	0.00
15,400.00	90.00	269.99	7,875.00	541.76	-8,345.49	8,358.92	0.00	0.00	0.00
15,500.00	90.00	269.99	7,875.00	541.74	-8,445.49	8,458.86	0.00	0.00	0.00
15,600.00	90.00	269.99	7,875.00	541.73	-8,545.49	8,558.80	0.00	0.00	0.00
15,700.00	90.00	269.99	7,875.00	541.72	-8,645.49	8,658.75	0.00	0.00	0.00
15,800.00	90.00	269.99	7,875.00	541.70	-8,745.49	8,758.69	0.00	0.00	0.00
15,900.00	90.00	269.99	7,875.00	541.69	-8,845.49	8,858.64	0.00	0.00	0.00
16,000.00	90.00	269.99	7,875.00	541.67	-8,945.49	8,958.58	0.00	0.00	0.00
16,100.00	90.00	269.99	7,875.00	541.66	-9,045.49	9,058.52	0.00	0.00	0.00
16,200.00	90.00	269.99	7,875.00	541.64	-9,145.49	9,158.47	0.00	0.00	0.00
16,300.00	90.00	269.99	7,875.00	541.63	-9,245.49	9,258.41	0.00	0.00	0.00
16,400.00	90.00	269.99	7,875.00	541.61	-9,345.49	9,358.36	0.00	0.00	0.00
16,500.00	90.00	269.99	7,875.00	541.60	-9,445.49	9,458.30	0.00	0.00	0.00

Planning Report

Database:	EDT_32Bit_ODBC	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Company:	CIVITAS RESOURCES	TVD Reference:	KB 24' @ 5683.40usft
Project:	ARAPAHOE COUNTY	MD Reference:	KB 24' @ 5683.40usft
Site:	SEC 21-T4S-R65W	North Reference:	True
Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PROPOSAL 1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
16,600.00	90.00	269.99	7,875.00	541.58	-9,545.49	9,558.24	0.00	0.00	0.00	
16,700.00	90.00	269.99	7,875.00	541.57	-9,645.49	9,658.19	0.00	0.00	0.00	
16,800.00	90.00	269.99	7,875.00	541.56	-9,745.49	9,758.13	0.00	0.00	0.00	
16,900.00	90.00	269.99	7,875.00	541.54	-9,845.49	9,858.08	0.00	0.00	0.00	
17,000.00	90.00	269.99	7,875.00	541.53	-9,945.49	9,958.02	0.00	0.00	0.00	
17,100.00	90.00	269.99	7,875.00	541.51	-10,045.49	10,057.96	0.00	0.00	0.00	
17,200.00	90.00	269.99	7,875.00	541.50	-10,145.49	10,157.91	0.00	0.00	0.00	
17,300.00	90.00	269.99	7,875.00	541.48	-10,245.49	10,257.85	0.00	0.00	0.00	
17,400.00	90.00	269.99	7,875.00	541.47	-10,345.49	10,357.80	0.00	0.00	0.00	
17,500.00	90.00	269.99	7,875.00	541.45	-10,445.49	10,457.74	0.00	0.00	0.00	
17,600.00	90.00	269.99	7,875.00	541.44	-10,545.49	10,557.68	0.00	0.00	0.00	
17,700.00	90.00	269.99	7,875.00	541.42	-10,645.49	10,657.63	0.00	0.00	0.00	
17,800.00	90.00	269.99	7,875.00	541.41	-10,745.49	10,757.57	0.00	0.00	0.00	
17,900.00	90.00	269.99	7,875.00	541.40	-10,845.49	10,857.51	0.00	0.00	0.00	
18,000.00	90.00	269.99	7,875.00	541.38	-10,945.49	10,957.46	0.00	0.00	0.00	
18,100.00	90.00	269.99	7,875.00	541.37	-11,045.49	11,057.40	0.00	0.00	0.00	
18,200.00	90.00	269.99	7,875.00	541.35	-11,145.49	11,157.35	0.00	0.00	0.00	
18,300.00	90.00	269.99	7,875.00	541.34	-11,245.49	11,257.29	0.00	0.00	0.00	
18,400.00	90.00	269.99	7,875.00	541.32	-11,345.49	11,357.23	0.00	0.00	0.00	
18,500.00	90.00	269.99	7,875.00	541.31	-11,445.49	11,457.18	0.00	0.00	0.00	
18,600.00	90.00	269.99	7,875.00	541.29	-11,545.49	11,557.12	0.00	0.00	0.00	
18,700.00	90.00	269.99	7,875.00	541.28	-11,645.49	11,657.07	0.00	0.00	0.00	
18,800.00	90.00	269.99	7,875.00	541.26	-11,745.49	11,757.01	0.00	0.00	0.00	
18,900.00	90.00	269.99	7,875.00	541.25	-11,845.49	11,856.95	0.00	0.00	0.00	
19,000.00	90.00	269.99	7,875.00	541.24	-11,945.49	11,956.90	0.00	0.00	0.00	
19,100.00	90.00	269.99	7,875.00	541.22	-12,045.49	12,056.84	0.00	0.00	0.00	
19,200.00	90.00	269.99	7,875.00	541.21	-12,145.49	12,156.79	0.00	0.00	0.00	
19,300.00	90.00	269.99	7,875.00	541.19	-12,245.49	12,256.73	0.00	0.00	0.00	
19,400.00	90.00	269.99	7,875.00	541.18	-12,345.49	12,356.67	0.00	0.00	0.00	
19,500.00	90.00	269.99	7,875.00	541.16	-12,445.49	12,456.62	0.00	0.00	0.00	
19,600.00	90.00	269.99	7,875.00	541.15	-12,545.49	12,556.56	0.00	0.00	0.00	
19,700.00	90.00	269.99	7,875.00	541.13	-12,645.49	12,656.51	0.00	0.00	0.00	
19,800.00	90.00	269.99	7,875.00	541.12	-12,745.49	12,756.45	0.00	0.00	0.00	
19,900.00	90.00	269.99	7,875.00	541.10	-12,845.49	12,856.39	0.00	0.00	0.00	
20,000.00	90.00	269.99	7,875.00	541.09	-12,945.49	12,956.34	0.00	0.00	0.00	
20,100.00	90.00	269.99	7,875.00	541.08	-13,045.49	13,056.28	0.00	0.00	0.00	
20,200.00	90.00	269.99	7,875.00	541.06	-13,145.49	13,156.22	0.00	0.00	0.00	
20,300.00	90.00	269.99	7,875.00	541.05	-13,245.49	13,256.17	0.00	0.00	0.00	
20,400.00	90.00	269.99	7,875.00	541.03	-13,345.49	13,356.11	0.00	0.00	0.00	
20,500.00	90.00	269.99	7,875.00	541.02	-13,445.49	13,456.06	0.00	0.00	0.00	
20,600.00	90.00	269.99	7,875.00	541.00	-13,545.49	13,556.00	0.00	0.00	0.00	
20,700.00	90.00	269.99	7,875.00	540.99	-13,645.49	13,655.94	0.00	0.00	0.00	
20,800.00	90.00	269.99	7,875.00	540.97	-13,745.49	13,755.89	0.00	0.00	0.00	
20,900.00	90.00	269.99	7,875.00	540.96	-13,845.49	13,855.83	0.00	0.00	0.00	
21,000.00	90.00	269.99	7,875.00	540.94	-13,945.49	13,955.78	0.00	0.00	0.00	
21,100.00	90.00	269.99	7,875.00	540.93	-14,045.49	14,055.72	0.00	0.00	0.00	
21,200.00	90.00	269.99	7,875.00	540.92	-14,145.49	14,155.66	0.00	0.00	0.00	
21,300.00	90.00	269.99	7,875.00	540.90	-14,245.49	14,255.61	0.00	0.00	0.00	
21,400.00	90.00	269.99	7,875.00	540.89	-14,345.49	14,355.55	0.00	0.00	0.00	
21,500.00	90.00	269.99	7,875.00	540.87	-14,445.49	14,455.50	0.00	0.00	0.00	
21,600.00	90.00	269.99	7,875.00	540.86	-14,545.49	14,555.44	0.00	0.00	0.00	
21,700.00	90.00	269.99	7,875.00	540.84	-14,645.49	14,655.38	0.00	0.00	0.00	
21,800.00	90.00	269.99	7,875.00	540.83	-14,745.49	14,755.33	0.00	0.00	0.00	
21,900.00	90.00	269.99	7,875.00	540.81	-14,845.49	14,855.27	0.00	0.00	0.00	

Planning Report

Database:	EDT_32Bit_ODBC	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Company:	CIVITAS RESOURCES	TVD Reference:	KB 24' @ 5683.40usft
Project:	ARAPAHOE COUNTY	MD Reference:	KB 24' @ 5683.40usft
Site:	SEC 21-T4S-R65W	North Reference:	True
Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PROPOSAL 1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
22,000.00	90.00	269.99	7,875.00	540.80	-14,945.49	14,955.21	0.00	0.00	0.00	
22,100.00	90.00	269.99	7,875.00	540.78	-15,045.49	15,055.16	0.00	0.00	0.00	
22,200.00	90.00	269.99	7,875.00	540.77	-15,145.49	15,155.10	0.00	0.00	0.00	
22,300.00	90.00	269.99	7,875.00	540.76	-15,245.49	15,255.05	0.00	0.00	0.00	
22,400.00	90.00	269.99	7,875.00	540.74	-15,345.49	15,354.99	0.00	0.00	0.00	
22,500.00	90.00	269.99	7,875.00	540.73	-15,445.49	15,454.93	0.00	0.00	0.00	
22,600.00	90.00	269.99	7,875.00	540.71	-15,545.49	15,554.88	0.00	0.00	0.00	
22,700.00	90.00	269.99	7,875.00	540.70	-15,645.49	15,654.82	0.00	0.00	0.00	
22,800.00	90.00	269.99	7,875.00	540.68	-15,745.49	15,754.77	0.00	0.00	0.00	
22,900.00	90.00	269.99	7,875.00	540.67	-15,845.49	15,854.71	0.00	0.00	0.00	
23,000.00	90.00	269.99	7,875.00	540.65	-15,945.49	15,954.65	0.00	0.00	0.00	
23,100.00	90.00	269.99	7,875.00	540.64	-16,045.49	16,054.60	0.00	0.00	0.00	
23,200.00	90.00	269.99	7,875.00	540.62	-16,145.49	16,154.54	0.00	0.00	0.00	
23,258.24	90.00	269.99	7,875.00	540.62	-16,203.73	16,212.75	0.00	0.00	0.00	
TD at 23258.24										

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
GRANDE 4-65 1AH-LP	0.00	0.00	7,875.00	542.80	-1,215.66	1,679,336.70	3,230,732.23	39.695721°N	104.680044°W
- plan hits target center									
- Point									
GRANDE 4-65 1AH-PB	0.00	0.00	7,875.00	540.62	-16,203.73	1,679,198.53	3,215,744.95	39.695701°N	104.733306°W
- plan hits target center									
- Point									

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
2,165.18	2,163.84	16.58	-3.04	Start 55.00 hold at 2165.18 MD
2,220.18	2,218.83	15.58	-2.77	Start DLS 2.00 TFO 145.34
2,730.19	2,726.76	35.82	-34.78	Start 4714.65 hold at 2730.19 MD
7,444.84	7,378.91	494.01	-647.55	Start DLS 10.00 TFO -37.16
8,270.17	7,875.00	542.80	-1,215.66	Start 14988.07 hold at 8270.17 MD
23,258.24	7,875.00	540.62	-16,203.73	TD at 23258.24

CIVITAS RESOURCES

ARAPAHOE COUNTY

SEC 21-T4S-R65W

GRANDE 4-65 20-19 1AH

OWB

PROPOSAL 1

Anticollision Report

24 November, 2021

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Reference	PROPOSAL 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 9,999.98 usft	Error Surface:	Pedal Curve
Warning Levels Evaluated at:	2.00 Sigma	Casing Method:	Not applied

Survey Tool Program	Date	11/24/2021		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
29.48	2,165.18	SURFACE SURVEY (OWB)	MWD OWSG	OWSG MWD - Standard
2,165.18	23,258.24	PROPOSAL 1 (OWB)	MWD OWSG	OWSG MWD - Standard

Summary						
Site Name Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
SEC 21-T4S-R65W						
EXIST HZ GRANDE 4-65 20-19 3AH - OWB - FINAL SU	12,357.33	12,545.46	2,457.50	2,194.14	9.331	CC
EXIST HZ GRANDE 4-65 20-19 3AH - OWB - FINAL SU	15,268.72	15,464.80	2,496.07	2,077.65	5.965	ES
EXIST HZ GRANDE 4-65 20-19 3AH - OWB - FINAL SU	15,400.00	15,453.00	2,499.85	2,079.84	5.952	SF
EXIST HZ GRANDE 4-65 20-19 3AH - STK - FINAL STK	11,037.02	11,228.00	2,448.39	2,264.33	13.302	CC
EXIST HZ GRANDE 4-65 20-19 3AH - STK - FINAL STK	15,700.00	15,795.00	2,510.02	2,108.11	6.245	ES
EXIST HZ GRANDE 4-65 20-19 3AH - STK - FINAL STK	15,800.00	15,795.00	2,516.27	2,113.34	6.245	SF
EXIST HZ SUNSET 4-65 21-22 1AH - OWB - FINAL SUR	1,916.90	1,925.88	88.51	75.01	6.558	CC, ES
EXIST HZ SUNSET 4-65 21-22 1AH - OWB - FINAL SUR	7,812.46	7,887.33	197.29	138.69	3.367	SF
EXIST HZ SUNSET 4-65 21-22 1H - OWB - FINAL SURV	7,503.42	17,391.00	3,937.25	3,655.72	13.985	CC, ES
EXIST HZ SUNSET 4-65 21-22 1H - OWB - FINAL SURV	7,700.00	17,391.00	3,945.37	3,662.21	13.933	SF
EXIST HZ SUNSET 4-65 21-22 2AH - OWB - FINAL SUR	43.96	48.47	124.68	124.54	875.747	CC
EXIST HZ SUNSET 4-65 21-22 2AH - OWB - FINAL SUR	414.48	421.05	125.14	122.36	45.011	ES
EXIST HZ SUNSET 4-65 21-22 2AH - OWB - FINAL SUR	2,165.18	2,147.35	336.24	320.74	21.702	SF
EXIST HZ SUNSET 4-65 21-22 3AH - OWB - FINAL SUR	7,625.47	8,066.26	2,588.14	2,533.18	47.087	CC
EXIST HZ SUNSET 4-65 21-22 3AH - OWB - FINAL SUR	7,650.00	8,066.24	2,588.27	2,533.17	46.975	ES
EXIST HZ SUNSET 4-65 21-22 3AH - OWB - FINAL SUR	9,500.00	7,657.00	3,072.38	2,996.04	40.246	SF
EXIST HZ SUNSET 4-65 21-22 3BH - OWB - FINAL SUR	71.11	34.50	3,100.88	3,100.71	10,000.000	CC
EXIST HZ SUNSET 4-65 21-22 3BH - OWB - FINAL SUR	380.23	331.15	3,100.91	3,098.58	1,327.173	ES
EXIST HZ SUNSET 4-65 21-22 3BH - OWB - FINAL SUR	10,100.00	7,572.00	3,919.28	3,831.87	44.839	SF
EXIST HZ SUNSET 4-65 21-22 4BH - OWB - FINAL SUR	450.63	514.64	3,070.17	3,066.92	945.074	CC
EXIST HZ SUNSET 4-65 21-22 4BH - OWB - FINAL SUR	2,220.18	2,121.99	3,080.02	3,065.03	205.469	ES
EXIST HZ SUNSET 4-65 21-22 4BH - OWB - FINAL SUR	11,200.00	7,305.00	5,375.60	5,265.41	48.786	SF
EXISTING HZ SUNSET 4-65 21-22 1BH - OWB - FINAL	52.76	57.40	149.67	149.46	698.916	CC
EXISTING HZ SUNSET 4-65 21-22 1BH - OWB - FINAL	1,780.88	1,789.55	153.42	140.78	12.137	ES
EXISTING HZ SUNSET 4-65 21-22 1BH - OWB - FINAL	2,079.78	2,079.53	165.25	150.44	11.158	SF
EXISTING HZ SUNSET 4-65 21-22 2BH - OWB - FINAL	52.69	57.76	174.75	174.54	812.569	CC
EXISTING HZ SUNSET 4-65 21-22 2BH - OWB - FINAL	329.08	332.77	175.75	173.58	80.970	ES
EXISTING HZ SUNSET 4-65 21-22 2BH - OWB - FINAL	8,700.00	8,700.00	2,031.54	1,957.26	27.348	SF
GRANDE 4-65 20-19 1CH - OWB - PROPOSAL 1	424.71	426.53	48.89	46.06	17.269	CC
GRANDE 4-65 20-19 1CH - OWB - PROPOSAL 1	23,258.24	23,307.18	634.17	-210.76	0.751	Level 1, ES, SF
GRANDE 4-65 20-19 2AH - OWB - PROPOSAL 1	444.25	445.34	20.03	17.07	6.772	CC
GRANDE 4-65 20-19 2AH - OWB - PROPOSAL 1	457.18	458.27	20.06	17.01	6.583	ES
GRANDE 4-65 20-19 2AH - OWB - PROPOSAL 1	23,258.24	23,269.17	1,259.64	410.16	1.483	Level 3, SF
GRANDE 4-65 20-19 2CH - OWB - PROPOSAL 1	403.91	406.12	70.32	67.63	26.179	CC
GRANDE 4-65 20-19 2CH - OWB - PROPOSAL 1	414.48	416.64	70.34	67.58	25.488	ES
GRANDE 4-65 20-19 2CH - OWB - PROPOSAL 1	23,258.24	23,435.39	1,890.89	1,041.71	2.227	SF

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

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						
SEC 21-T4S-R65W						
GRANDE 4-65 20-19 3CH - OWB - PROPOSAL 1	2,697.06	2,901.75	3,104.83	3,086.89	173.087	CC
GRANDE 4-65 20-19 3CH - OWB - PROPOSAL 1	23,258.24	23,288.00	3,167.21	2,322.23	3.748	ES, SF
GRANDE 4-65 20-19 4AH - OWB - PROPOSAL 1	61.34	16.14	3,125.91	3,125.78	10,000.000	CC
GRANDE 4-65 20-19 4AH - OWB - PROPOSAL 1	23,258.24	23,189.91	3,874.92	3,029.84	4.585	ES, SF
GRANDE 4-65 20-19 4CH - OWB - PROPOSAL 1	64.21	21.24	3,175.56	3,175.42	10,000.000	CC
GRANDE 4-65 20-19 4CH - OWB - PROPOSAL 1	380.23	331.46	3,176.07	3,173.74	1,361.756	ES
GRANDE 4-65 20-19 4CH - OWB - PROPOSAL 1	23,258.24	23,320.57	4,586.12	3,741.50	5.430	SF

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 2258-MWD OWSG													Offset Well Error:	0.00 usft
SEC 21-T4S-R65W - EXIST HZ GRANDE 4-65 20-19 3AH - OWB - FINAL SURVEY OWB														
Reference Measured Depth (usft)	Vertical Depth (usft)	Offset Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
0.00	0.00	2,178.05	2,178.02	0.00	0.00	-173.58	-2,888.96	-324.84	3,657.64					
29.48	29.48	2,178.05	2,178.02	0.02	0.00	-0.74	-2,888.96	-324.84	3,639.74	3,638.34	1.40	2,607.906		
60.08	60.08	2,178.05	2,178.02	0.12	0.00	11.16	-2,888.96	-324.84	3,621.30	3,619.91	1.38	2,620.142		
121.28	121.28	2,178.05	2,178.02	0.33	0.00	-178.18	-2,888.96	-324.84	3,585.42	3,584.05	1.36	2,630.480		
151.88	151.88	2,178.05	2,178.02	0.44	0.00	96.62	-2,888.96	-324.84	3,567.78	3,566.41	1.37	2,606.942		
182.48	182.47	2,178.05	2,178.02	0.55	0.00	-21.08	-2,888.96	-324.84	3,550.13	3,548.73	1.40	2,541.626		
213.08	213.07	2,178.05	2,178.02	0.65	0.00	-9.47	-2,888.96	-324.84	3,532.57	3,531.15	1.42	2,480.809		
243.68	243.67	2,178.05	2,178.02	0.76	0.00	-54.65	-2,888.96	-324.84	3,515.15	3,513.70	1.45	2,418.922		
286.38	286.37	2,178.05	2,178.02	0.91	0.00	-12.45	-2,888.96	-324.84	3,491.09	3,489.58	1.50	2,322.960		
329.08	329.07	2,178.05	2,178.02	1.06	0.00	-23.24	-2,888.96	-324.84	3,467.25	3,465.68	1.57	2,213.843		
371.78	371.77	2,178.05	2,178.02	1.22	0.00	-46.61	-2,888.96	-324.84	3,443.81	3,442.18	1.63	2,110.479		
414.48	414.46	2,178.05	2,178.02	1.36	0.00	-155.87	-2,888.96	-324.84	3,421.22	3,419.53	1.69	2,026.656		
457.18	457.15	2,178.05	2,178.02	1.51	0.00	-171.67	-2,888.96	-324.84	3,399.85	3,398.10	1.74	1,951.039		
499.88	499.81	2,178.05	2,178.02	1.66	0.00	179.25	-2,888.96	-324.84	3,379.53	3,377.72	1.82	1,861.821		
542.58	542.45	2,178.05	2,178.02	1.81	0.00	178.51	-2,888.96	-324.84	3,360.02	3,358.11	1.91	1,762.220		
585.28	585.08	2,178.05	2,178.02	1.96	0.00	179.65	-2,888.96	-324.84	3,341.08	3,339.07	2.01	1,659.768		
627.98	627.70	2,178.05	2,178.02	2.11	0.00	-179.42	-2,888.96	-324.84	3,322.59	3,320.46	2.13	1,560.322		
670.68	670.32	2,178.05	2,178.02	2.26	0.00	-178.20	-2,888.96	-324.84	3,304.79	3,302.55	2.25	1,471.707		
713.38	712.90	2,178.05	2,178.02	2.41	0.00	-173.62	-2,888.96	-324.84	3,287.84	3,285.48	2.37	1,390.133		
756.08	755.45	2,178.05	2,178.02	2.57	0.00	-175.10	-2,888.96	-324.84	3,271.77	3,269.28	2.49	1,313.729		
798.78	797.96	2,178.05	2,178.02	2.73	0.00	-171.76	-2,888.96	-324.84	3,256.56	3,253.94	2.62	1,242.219		
841.48	840.50	2,178.05	2,178.02	2.88	0.00	-165.24	-2,888.96	-324.84	3,241.42	3,238.65	2.77	1,170.600		
884.18	883.12	2,178.05	2,178.02	3.04	0.00	-163.06	-2,888.96	-324.84	3,225.88	3,222.96	2.92	1,103.138		
926.88	925.77	2,178.05	2,178.02	3.19	0.00	-162.43	-2,888.96	-324.84	3,210.22	3,207.14	3.08	1,043.708		
969.58	968.44	2,178.05	2,178.02	3.34	0.00	-165.52	-2,888.96	-324.84	3,194.58	3,191.35	3.23	990.407		
1,012.28	1,011.13	2,178.05	2,178.02	3.50	0.00	-166.43	-2,888.96	-324.84	3,178.95	3,175.58	3.38	941.617		
1,054.98	1,053.83	2,178.05	2,178.02	3.65	0.00	-155.96	-2,888.96	-324.84	3,163.39	3,159.86	3.53	897.007		
1,097.68	1,096.53	2,178.05	2,178.02	3.80	0.00	-74.18	-2,888.96	-324.84	3,148.04	3,144.36	3.67	856.702		
1,140.38	1,139.23	2,178.05	2,178.02	3.94	0.00	-23.20	-2,888.96	-324.84	3,132.88	3,129.06	3.82	819.928		
1,183.08	1,181.92	2,178.05	2,178.02	4.09	0.00	-40.15	-2,888.96	-324.84	3,118.11	3,114.14	3.97	786.296		
1,225.78	1,224.62	2,178.05	2,178.02	4.23	0.00	-51.51	-2,888.96	-324.84	3,103.90	3,099.79	4.11	754.996		
1,268.48	1,267.32	2,178.05	2,178.02	4.38	0.00	-16.66	-2,888.96	-324.84	3,090.06	3,085.80	4.26	725.440		
1,311.18	1,310.01	2,178.05	2,178.02	4.53	0.00	-15.89	-2,888.96	-324.84	3,076.50	3,072.10	4.41	697.804		
1,353.88	1,352.71	2,178.05	2,178.02	4.67	0.00	-18.84	-2,888.96	-324.84	3,063.43	3,058.87	4.56	672.124		
1,396.58	1,395.40	2,178.05	2,178.02	4.82	0.00	-20.66	-2,888.96	-324.84	3,050.85	3,046.14	4.71	647.997		
1,439.28	1,438.09	2,178.05	2,178.02	4.96	0.00	-16.68	-2,888.96	-324.84	3,038.75	3,033.89	4.86	625.319		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ GRANDE 4-65 20-19 3AH - OWB - FINAL SURVEY OWB													Offset Site Error:	0.00 usft
Survey Program: 2258-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
1,481.98	1,480.78	2,178.05	2,178.02	5.11	0.00	-20.65	-2,888.96	-324.84	3,027.13	3,022.12	5.01	603.978		
1,524.68	1,523.46	2,178.05	2,178.02	5.26	0.00	-22.01	-2,888.96	-324.84	3,015.94	3,010.77	5.17	583.839		
1,567.38	1,566.14	2,178.05	2,178.02	5.41	0.00	-21.89	-2,888.96	-324.84	3,005.23	2,999.91	5.32	564.922		
1,610.08	1,608.83	2,178.05	2,178.02	5.56	0.00	-9.46	-2,888.96	-324.84	2,995.23	2,989.76	5.47	547.260		
1,652.78	1,651.52	2,178.05	2,178.02	5.70	0.00	15.15	-2,888.96	-324.84	2,986.17	2,980.54	5.63	530.785		
1,695.48	1,694.22	2,178.05	2,178.02	5.85	0.00	20.55	-2,888.96	-324.84	2,977.88	2,972.10	5.78	515.224		
1,738.18	1,736.92	2,178.05	2,178.02	6.00	0.00	33.89	-2,888.96	-324.84	2,970.15	2,964.22	5.93	500.486		
1,780.88	1,779.61	2,178.05	2,178.02	6.15	0.00	30.27	-2,888.96	-324.84	2,963.03	2,956.94	6.09	486.609		
1,823.58	1,822.31	2,178.05	2,178.02	6.30	0.00	22.74	-2,888.96	-324.84	2,956.50	2,950.25	6.24	473.486		
1,866.28	1,865.00	2,178.05	2,178.02	6.45	0.00	18.44	-2,888.96	-324.84	2,950.41	2,944.01	6.40	461.046		
1,908.98	1,907.69	2,178.05	2,178.02	6.59	0.00	21.55	-2,888.96	-324.84	2,944.84	2,938.28	6.55	449.303		
1,951.68	1,950.39	2,178.05	2,178.02	6.74	0.00	22.62	-2,888.96	-324.84	2,939.84	2,933.13	6.71	438.224		
1,994.38	1,993.08	2,178.05	2,178.02	6.89	0.00	22.25	-2,888.96	-324.84	2,935.38	2,928.52	6.86	427.749		
2,037.08	2,035.77	2,178.05	2,178.02	7.04	0.00	20.16	-2,888.96	-324.84	2,931.51	2,924.50	7.02	417.850		
2,079.78	2,078.46	2,178.05	2,178.02	7.19	0.00	26.71	-2,888.96	-324.84	2,928.27	2,921.11	7.17	408.507		
2,122.48	2,121.15	2,178.05	2,178.02	7.34	0.00	22.70	-2,888.96	-324.84	2,925.72	2,918.40	7.32	399.687		
2,165.18	2,163.84	2,178.05	2,178.02	7.49	0.00	21.19	-2,888.96	-324.84	2,923.84	2,916.37	7.47	391.353		
2,200.00	2,198.65	2,178.05	2,178.02	7.55	0.00	21.19	-2,888.96	-324.84	2,922.77	2,915.24	7.53	387.987		
2,220.18	2,218.83	2,178.05	2,178.02	7.55	0.00	21.19	-2,888.96	-324.84	2,922.35	2,914.81	7.53	387.903		
2,300.00	2,298.64	2,258.77	2,258.74	7.56	0.14	-83.83	-2,888.96	-324.75	2,921.57	2,913.89	7.69	379.996		
2,311.79	2,310.43	2,270.47	2,270.44	7.57	0.19	-91.60	-2,888.96	-324.75	2,921.56	2,913.83	7.74	377.704		
2,400.00	2,398.59	2,358.12	2,358.09	7.59	0.50	-111.59	-2,888.92	-324.71	2,922.33	2,914.26	8.07	361.945		
2,500.00	2,498.36	2,448.65	2,448.62	7.64	0.81	-116.92	-2,889.01	-324.96	2,925.24	2,916.81	8.43	346.958		
2,600.00	2,597.86	2,525.71	2,525.68	7.71	1.08	-119.13	-2,889.52	-325.01	2,930.66	2,921.90	8.76	334.497		
2,700.00	2,696.94	2,656.34	2,656.30	7.79	1.53	-120.50	-2,889.98	-324.62	2,937.68	2,928.37	9.31	315.671		
2,730.19	2,726.76	2,673.77	2,673.74	7.83	1.59	-120.76	-2,890.01	-324.65	2,940.17	2,930.77	9.40	312.826		
2,800.00	2,795.64	2,714.03	2,713.99	7.91	1.73	-120.87	-2,890.34	-324.88	2,946.65	2,937.03	9.62	306.325		
2,900.00	2,894.31	2,781.78	2,781.73	8.05	1.97	-121.05	-2,891.65	-325.02	2,957.01	2,947.02	9.99	296.041		
3,000.00	2,992.99	2,970.91	2,970.76	8.22	2.64	-121.65	-2,892.77	-320.19	2,965.46	2,954.65	10.81	274.388		
3,100.00	3,091.66	3,040.41	3,040.26	8.40	2.88	-121.84	-2,892.93	-319.91	2,974.17	2,962.94	11.22	264.988		
3,200.00	3,190.34	3,170.69	3,170.53	8.61	3.33	-122.20	-2,892.56	-319.41	2,982.50	2,970.63	11.87	251.226		
3,300.00	3,289.01	3,239.49	3,239.34	8.83	3.58	-122.39	-2,892.21	-319.17	2,990.82	2,978.50	12.32	242.770		
3,400.00	3,387.69	3,297.00	3,296.84	9.07	3.78	-122.54	-2,892.87	-319.21	3,000.68	2,987.94	12.74	235.513		
3,500.00	3,486.36	3,428.15	3,427.97	9.33	4.24	-122.89	-2,894.41	-318.98	3,010.72	2,997.28	13.44	224.018		
3,600.00	3,585.03	3,539.28	3,539.10	9.60	4.63	-123.19	-2,894.82	-318.25	3,019.99	3,005.91	14.08	214.437		
3,700.00	3,683.71	3,645.79	3,645.61	9.88	5.01	-123.47	-2,894.83	-318.08	3,028.99	3,014.26	14.72	205.735		
3,800.00	3,782.38	3,741.00	3,740.83	10.18	5.34	-123.71	-2,894.74	-317.99	3,037.95	3,022.62	15.33	198.200		
3,900.00	3,881.06	3,834.91	3,834.73	10.48	5.67	-123.95	-2,894.81	-318.14	3,047.15	3,031.22	15.94	191.201		
4,000.00	3,979.73	4,179.73	4,179.23	10.80	6.87	-124.86	-2,884.73	-315.70	3,055.68	3,038.26	17.42	175.378		
4,100.00	4,078.41	4,482.86	4,480.47	11.13	7.95	-125.52	-2,851.80	-319.85	3,055.02	3,036.31	18.72	163.225		
4,200.00	4,177.08	4,621.30	4,617.11	11.46	8.46	-125.75	-2,830.40	-324.95	3,048.97	3,029.48	19.49	156.418		
4,300.00	4,275.76	4,699.17	4,693.74	11.80	8.75	-125.82	-2,818.21	-331.57	3,042.93	3,022.84	20.09	151.429		
4,400.00	4,374.43	5,157.02	5,138.43	12.15	10.67	-126.14	-2,719.52	-372.91	3,029.22	3,007.38	21.84	138.707		
4,500.00	4,473.10	5,216.22	5,194.81	12.51	10.95	-126.10	-2,703.96	-382.10	3,012.45	2,990.02	22.43	134.286		
4,600.00	4,571.78	5,280.00	5,255.77	12.87	11.25	-126.06	-2,688.06	-392.04	2,997.00	2,973.95	23.05	130.024		
4,700.00	4,670.45	5,431.48	5,400.39	13.23	12.00	-126.01	-2,648.44	-413.44	2,979.92	2,955.98	23.95	124.447		
4,800.00	4,769.13	5,469.00	5,436.11	13.60	12.18	-125.99	-2,638.74	-419.62	2,963.99	2,939.49	24.50	120.981		
4,900.00	4,867.80	5,516.73	5,481.54	13.98	12.42	-125.92	-2,627.29	-428.70	2,949.87	2,924.77	25.10	117.541		
5,000.00	4,966.48	5,564.00	5,526.52	14.36	12.66	-125.83	-2,617.35	-439.29	2,938.10	2,912.41	25.69	114.349		
5,100.00	5,065.15	5,591.59	5,552.76	14.75	12.80	-125.77	-2,612.12	-446.02	2,928.31	2,902.09	26.22	111.664		
5,200.00	5,163.82	5,635.72	5,594.76	15.13	13.02	-125.66	-2,604.42	-457.18	2,920.52	2,893.71	26.82	108.908		
5,300.00	5,262.50	6,022.60	5,964.81	15.52	15.02	-125.31	-2,517.74	-522.74	2,904.42	2,875.77	28.64	101.395		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ GRANDE 4-65 20-19 3AH - OWB - FINAL SURVEY OWB													Offset Site Error:	0.00 usft
Survey Program: 2258-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
5,400.00	5,361.17	6,269.60	6,201.55	15.92	16.24	-125.96	-2,447.67	-520.87	2,884.62	2,854.91	29.71	97.090		
5,500.00	5,459.85	6,365.56	6,292.88	16.32	16.72	-126.28	-2,418.48	-516.93	2,863.09	2,832.67	30.42	94.132		
5,600.00	5,558.52	6,459.24	6,382.06	16.71	17.19	-126.61	-2,390.09	-512.71	2,841.74	2,810.62	31.12	91.323		
5,700.00	5,657.20	6,544.36	6,463.11	17.12	17.62	-126.91	-2,364.41	-508.56	2,820.62	2,788.81	31.81	88.684		
5,800.00	5,755.87	6,604.00	6,520.01	17.52	17.93	-127.12	-2,346.75	-506.04	2,800.31	2,767.86	32.44	86.312		
5,900.00	5,854.54	6,658.99	6,572.71	17.93	18.20	-127.31	-2,331.21	-503.86	2,781.47	2,748.40	33.07	84.102		
6,000.00	5,953.22	6,730.13	6,641.30	18.34	18.56	-127.56	-2,312.52	-501.22	2,764.47	2,730.73	33.74	81.937		
6,100.00	6,051.89	6,854.69	6,761.13	18.75	19.21	-127.87	-2,278.61	-502.74	2,746.71	2,712.16	34.55	79.502		
6,200.00	6,150.57	6,949.01	6,851.86	19.16	19.71	-128.09	-2,252.90	-504.73	2,729.06	2,693.77	35.29	77.328		
6,300.00	6,249.24	7,030.32	6,930.10	19.57	20.15	-128.27	-2,230.91	-506.74	2,711.68	2,675.67	36.01	75.307		
6,400.00	6,347.92	7,122.21	7,018.53	19.99	20.64	-128.40	-2,206.78	-513.22	2,695.06	2,658.29	36.76	73.307		
6,500.00	6,446.59	7,325.77	7,213.19	20.41	21.79	-128.76	-2,148.24	-523.45	2,675.41	2,637.62	37.79	70.794		
6,600.00	6,545.26	7,417.42	7,300.24	20.82	22.33	-128.84	-2,120.91	-532.04	2,655.13	2,616.56	38.56	68.849		
6,700.00	6,643.94	7,564.11	7,438.11	21.24	23.23	-128.79	-2,076.30	-553.76	2,634.04	2,594.52	39.52	66.659		
6,800.00	6,742.61	7,843.03	7,669.14	21.66	25.28	-126.68	-1,989.06	-679.72	2,609.42	2,568.04	41.37	63.069		
6,900.00	6,841.29	7,906.21	7,712.62	22.09	25.83	-125.87	-1,969.85	-721.29	2,582.02	2,539.55	42.47	60.802		
7,000.00	6,939.96	7,927.00	7,726.00	22.51	26.02	-125.57	-1,963.93	-736.06	2,556.79	2,513.54	43.25	59.115		
7,100.00	7,038.64	7,964.30	7,748.95	22.93	26.35	-125.00	-1,954.28	-763.84	2,534.25	2,490.03	44.22	57.311		
7,200.00	7,137.31	7,985.52	7,761.42	23.36	26.55	-124.66	-1,949.50	-780.32	2,515.01	2,470.00	45.01	55.871		
7,300.00	7,235.99	8,021.00	7,781.28	23.78	26.88	-124.06	-1,942.71	-808.92	2,499.22	2,453.27	45.95	54.391		
7,400.00	7,334.66	8,021.00	7,781.28	24.21	26.88	-124.06	-1,942.71	-808.92	2,486.50	2,440.05	46.45	53.530		
7,444.84	7,378.91	8,021.00	7,781.28	24.40	26.88	-124.06	-1,942.71	-808.92	2,482.08	2,435.42	46.66	53.195		
7,450.00	7,383.99	8,021.00	7,781.28	24.42	26.88	-122.29	-1,942.71	-808.92	2,481.63	2,434.94	46.68	53.158		
7,500.00	7,432.91	8,021.00	7,781.28	24.66	26.88	-111.02	-1,942.71	-808.92	2,477.62	2,430.70	46.92	52.809		
7,550.00	7,480.84	8,021.00	7,781.28	24.93	26.88	-105.36	-1,942.71	-808.92	2,474.41	2,427.25	47.16	52.471		
7,600.00	7,527.44	8,021.00	7,781.28	25.23	26.88	-102.06	-1,942.71	-808.92	2,472.03	2,424.62	47.41	52.144		
7,650.00	7,572.35	8,021.00	7,781.28	25.57	26.88	-99.91	-1,942.71	-808.92	2,470.50	2,422.84	47.67	51.827		
7,700.00	7,615.21	8,065.82	7,804.83	25.94	27.26	-97.94	-1,936.94	-846.60	2,467.60	2,419.02	48.59	50.789		
7,750.00	7,655.72	8,074.13	7,809.02	26.35	27.34	-96.77	-1,936.28	-853.73	2,466.89	2,417.89	49.00	50.345		
7,777.31	7,676.74	8,078.77	7,811.34	26.60	27.38	-96.24	-1,935.97	-857.74	2,466.79	2,417.55	49.24	50.095		
7,800.00	7,693.55	8,116.00	7,829.30	26.80	27.72	-95.60	-1,934.95	-890.32	2,468.10	2,418.17	49.93	49.429		
7,821.04	7,708.61	8,116.00	7,829.30	27.01	27.72	-95.30	-1,934.95	-890.32	2,468.03	2,417.95	50.08	49.284		
7,850.00	7,728.43	8,116.00	7,829.30	27.29	27.72	-94.92	-1,934.95	-890.32	2,468.16	2,417.89	50.27	49.098		
7,900.00	7,760.08	8,116.00	7,829.30	27.82	27.72	-94.32	-1,934.95	-890.32	2,469.04	2,418.41	50.63	48.764		
7,950.00	7,788.27	8,116.00	7,829.30	28.40	27.72	-93.74	-1,934.95	-890.32	2,470.72	2,419.70	51.02	48.424		
8,000.00	7,812.78	8,116.00	7,829.30	29.02	27.72	-93.18	-1,934.95	-890.32	2,473.19	2,421.75	51.44	48.075		
8,050.00	7,833.42	8,143.88	7,841.82	29.69	27.96	-92.66	-1,935.37	-915.23	2,476.09	2,423.71	52.37	47.279		
8,100.00	7,850.04	8,166.37	7,851.19	30.41	28.16	-92.20	-1,936.01	-935.67	2,479.29	2,426.04	53.24	46.565		
8,150.00	7,862.51	8,188.78	7,859.88	31.16	28.36	-91.80	-1,936.92	-956.30	2,482.76	2,428.61	54.15	45.853		
8,200.00	7,870.73	8,211.22	7,867.92	31.94	28.57	-91.45	-1,938.10	-977.21	2,486.50	2,431.42	55.08	45.146		
8,250.00	7,874.65	8,278.10	7,888.29	32.75	29.26	-91.40	-1,941.85	-1,040.79	2,490.04	2,433.10	56.94	43.732		
8,270.17	7,875.00	8,305.64	7,895.14	33.09	29.57	-91.42	-1,943.32	-1,067.42	2,491.29	2,433.58	57.71	43.169		
8,300.00	7,875.00	8,363.14	7,905.68	33.59	30.27	-91.66	-1,946.10	-1,123.85	2,492.91	2,433.62	59.29	42.046		
8,400.00	7,875.00	8,457.38	7,912.32	35.34	31.55	-91.81	-1,950.21	-1,217.73	2,497.51	2,434.88	62.63	39.879		
8,500.00	7,875.00	8,513.81	7,912.85	37.22	32.37	-91.82	-1,953.43	-1,274.05	2,503.33	2,438.09	65.24	38.370		
8,600.00	7,875.00	8,565.55	7,912.64	39.18	33.16	-91.82	-1,957.56	-1,325.63	2,511.21	2,443.35	67.86	37.006		
8,700.00	7,875.00	8,626.00	7,912.33	41.23	34.12	-91.80	-1,963.36	-1,385.80	2,520.75	2,449.98	70.76	35.622		
8,800.00	7,875.00	8,937.76	7,911.39	43.36	39.91	-91.77	-1,984.12	-1,696.75	2,528.51	2,447.70	80.81	31.289		
8,900.00	7,875.00	9,149.78	7,910.94	45.54	44.49	-91.76	-1,983.25	-1,908.74	2,527.94	2,439.43	88.51	28.562		
9,000.00	7,875.00	9,226.90	7,910.94	47.77	46.23	-91.76	-1,981.46	-1,985.84	2,525.66	2,433.21	92.45	27.319		
9,100.00	7,875.00	9,287.00	7,911.02	50.06	47.60	-91.76	-1,981.00	-2,045.93	2,524.86	2,428.92	95.94	26.317		
9,200.00	7,875.00	9,399.70	7,910.79	52.38	50.21	-91.76	-1,980.81	-2,158.64	2,524.69	2,423.63	101.06	24.981		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 2258-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
9,300.00	7,875.00	9,532.09	7,909.37	54.73	53.35	-91.73	-1,979.21	-2,291.01	2,523.41	2,416.56	106.85	23.616		
9,400.00	7,875.00	9,663.66	7,907.50	57.12	56.53	-91.69	-1,976.13	-2,422.52	2,521.03	2,408.36	112.67	22.374		
9,500.00	7,875.00	9,784.53	7,906.25	59.53	59.50	-91.66	-1,972.04	-2,543.31	2,517.61	2,399.38	118.23	21.295		
9,600.00	7,875.00	9,903.32	7,904.92	61.96	62.45	-91.63	-1,966.80	-2,661.98	2,513.12	2,389.37	123.76	20.307		
9,700.00	7,875.00	9,995.61	7,903.98	64.42	64.76	-91.61	-1,962.64	-2,754.17	2,508.58	2,380.05	128.53	19.518		
9,800.00	7,875.00	10,077.00	7,903.24	66.89	66.80	-91.60	-1,959.36	-2,835.50	2,504.53	2,371.54	132.99	18.832		
9,900.00	7,875.00	10,154.28	7,902.65	69.38	68.75	-91.59	-1,957.02	-2,912.73	2,501.44	2,364.10	137.34	18.213		
10,000.00	7,875.00	10,246.58	7,901.75	71.89	71.09	-91.57	-1,954.63	-3,005.00	2,498.81	2,356.64	142.18	17.575		
10,100.00	7,875.00	10,319.61	7,901.03	74.41	72.94	-91.55	-1,953.30	-3,078.02	2,496.96	2,350.54	146.42	17.053		
10,200.00	7,875.00	10,389.70	7,900.37	76.94	74.72	-91.54	-1,952.82	-3,148.10	2,496.23	2,345.67	150.57	16.579		
10,209.81	7,875.00	10,396.54	7,900.30	77.19	74.89	-91.54	-1,952.82	-3,154.94	2,496.23	2,345.26	150.97	16.534		
10,300.00	7,875.00	10,473.61	7,899.47	79.48	76.85	-91.52	-1,953.15	-3,232.00	2,496.56	2,341.40	155.16	16.090		
10,400.00	7,875.00	10,546.75	7,898.83	82.03	78.71	-91.50	-1,953.76	-3,305.14	2,497.43	2,338.02	159.40	15.667		
10,500.00	7,875.00	10,610.00	7,898.33	84.59	80.31	-91.49	-1,955.44	-3,368.36	2,499.95	2,336.65	163.30	15.309		
10,600.00	7,875.00	10,685.07	7,897.78	87.16	82.22	-91.47	-1,958.36	-3,443.37	2,503.73	2,336.15	167.58	14.940		
10,700.00	7,875.00	10,794.51	7,896.95	89.73	85.00	-91.45	-1,962.73	-3,552.73	2,507.70	2,334.62	173.08	14.489		
10,800.00	7,875.00	11,031.01	7,894.85	92.31	91.10	-91.40	-1,964.78	-3,789.18	2,508.34	2,325.50	182.83	13.719		
10,900.00	7,875.00	11,156.54	7,893.48	94.90	94.37	-91.37	-1,961.33	-3,914.65	2,505.42	2,316.57	188.85	13.267		
11,000.00	7,875.00	11,241.79	7,892.82	97.49	96.60	-91.36	-1,959.23	-3,999.88	2,502.93	2,309.32	193.61	12.928		
11,100.00	7,875.00	11,346.75	7,891.99	100.09	99.34	-91.34	-1,957.01	-4,104.81	2,500.78	2,301.79	198.99	12.567		
11,200.00	7,875.00	11,556.63	7,890.42	102.69	104.86	-91.31	-1,947.66	-4,314.46	2,496.40	2,288.90	207.50	12.031		
11,300.00	7,875.00	11,671.47	7,889.40	105.30	107.89	-91.29	-1,939.08	-4,428.97	2,488.84	2,275.68	213.17	11.676		
11,400.00	7,875.00	11,726.95	7,888.88	107.91	109.36	-91.28	-1,935.50	-4,484.33	2,482.35	2,265.18	217.16	11.431		
11,500.00	7,875.00	11,786.27	7,888.32	110.53	110.92	-91.27	-1,932.70	-4,543.58	2,477.58	2,256.36	221.22	11.200		
11,600.00	7,875.00	11,852.13	7,887.74	113.15	112.66	-91.26	-1,930.64	-4,609.41	2,474.38	2,248.94	225.43	10.976		
11,700.00	7,875.00	11,933.00	7,887.00	115.77	114.79	-91.24	-1,928.62	-4,690.25	2,471.90	2,241.80	230.10	10.743		
11,800.00	7,875.00	11,996.89	7,886.43	118.40	116.47	-91.23	-1,927.73	-4,754.13	2,470.60	2,236.41	234.19	10.550		
11,900.00	7,875.00	11,900.00	7,885.65	121.03	113.92	-91.21	-1,927.38	-4,859.27	2,470.24	2,235.95	234.29	10.543		
12,000.00	7,875.00	12,260.36	7,884.38	123.66	123.43	-91.18	-1,923.34	-5,017.53	2,467.17	2,220.37	246.80	9.997		
12,100.00	7,875.00	12,416.88	7,883.03	126.29	127.57	-91.16	-1,918.18	-5,173.95	2,464.27	2,210.49	253.78	9.710		
12,200.00	7,875.00	12,467.66	7,882.67	128.93	128.92	-91.15	-1,916.24	-5,224.69	2,460.23	2,202.62	257.61	9.550		
12,300.00	7,875.00	12,500.00	7,882.42	131.57	129.78	-91.14	-1,915.34	-5,257.02	2,458.07	2,197.34	260.73	9.428		
12,357.33	7,875.00	12,545.46	7,882.03	133.08	130.98	-91.13	-1,914.82	-5,302.47	2,457.50	2,194.14	263.37	9.331 CC		
12,400.00	7,875.00	12,564.24	7,881.86	134.21	131.47	-91.13	-1,914.92	-5,321.25	2,457.71	2,192.91	264.80	9.281		
12,500.00	7,875.00	12,595.00	7,881.56	136.85	132.28	-91.12	-1,915.47	-5,352.00	2,459.90	2,192.33	267.57	9.193		
12,600.00	7,875.00	12,647.87	7,881.23	139.49	133.66	-91.11	-1,917.67	-5,404.82	2,464.32	2,193.30	271.02	9.093		
12,700.00	7,875.00	12,690.00	7,881.26	142.14	134.76	-91.11	-1,920.60	-5,446.85	2,471.21	2,197.29	273.93	9.021		
12,800.00	7,875.00	12,905.95	7,881.33	144.79	140.41	-91.11	-1,932.27	-5,662.46	2,476.27	2,192.42	283.85	8.724		
12,900.00	7,875.00	13,033.79	7,881.41	147.44	143.78	-91.11	-1,935.61	-5,790.26	2,478.82	2,188.64	290.17	8.542		
13,000.00	7,875.00	13,145.04	7,881.57	150.09	146.72	-91.11	-1,937.86	-5,901.49	2,480.82	2,184.94	295.89	8.384		
13,100.00	7,875.00	13,249.16	7,882.02	152.74	149.47	-91.12	-1,939.58	-6,005.59	2,482.47	2,181.13	301.35	8.238		
13,200.00	7,875.00	13,320.33	7,882.47	155.39	151.36	-91.13	-1,941.09	-6,076.74	2,484.60	2,178.99	305.61	8.130		
13,300.00	7,875.00	13,463.80	7,883.28	158.05	155.15	-91.15	-1,944.33	-6,220.17	2,487.02	2,174.54	312.49	7.959		
13,400.00	7,875.00	13,630.79	7,884.76	160.70	159.59	-91.18	-1,944.23	-6,387.15	2,487.16	2,167.12	320.04	7.771		
13,500.00	7,875.00	13,755.98	7,886.80	163.36	162.93	-91.23	-1,941.30	-6,512.29	2,484.81	2,158.66	326.15	7.619		
13,600.00	7,875.00	13,850.54	7,888.34	166.02	165.45	-91.27	-1,938.75	-6,606.80	2,482.14	2,150.83	331.31	7.492		
13,700.00	7,875.00	13,931.79	7,889.61	168.68	167.62	-91.30	-1,936.99	-6,688.02	2,479.99	2,143.94	336.06	7.380		
13,800.00	7,875.00	14,003.07	7,890.82	171.34	169.52	-91.33	-1,936.15	-6,759.28	2,478.84	2,138.38	340.46	7.281		
13,870.44	7,875.00	14,059.36	7,891.87	173.22	171.02	-91.35	-1,935.99	-6,815.57	2,478.66	2,134.92	343.74	7.211		
13,900.00	7,875.00	14,083.55	7,892.31	174.00	171.67	-91.36	-1,936.01	-6,839.75	2,478.69	2,133.56	345.13	7.182		
14,000.00	7,875.00	14,165.83	7,893.92	176.66	173.85	-91.40	-1,936.46	-6,922.01	2,479.27	2,129.42	349.85	7.087		
14,100.00	7,875.00	14,318.22	7,898.58	179.33	177.91	-91.51	-1,936.36	-7,074.32	2,479.34	2,122.40	356.94	6.946		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ GRANDE 4-65 20-19 3AH - OWB - FINAL SURVEY OWB													Offset Site Error:	0.00 usft
Survey Program: 2258-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,875.00	14,390.00	7,901.12	181.99	179.83	-91.57	-1,935.74	-7,146.06	2,478.60	2,117.27	361.34	6.860		
14,216.04	7,875.00	14,405.13	7,901.64	182.42	180.23	-91.58	-1,935.70	-7,161.18	2,478.57	2,116.41	362.16	6.844		
14,300.00	7,875.00	14,456.22	7,903.42	184.66	181.59	-91.62	-1,936.00	-7,212.24	2,479.13	2,113.64	365.49	6.783		
14,400.00	7,875.00	14,519.15	7,905.63	187.32	183.26	-91.67	-1,937.27	-7,275.11	2,481.22	2,111.77	369.45	6.716		
14,500.00	7,875.00	14,587.01	7,907.96	189.99	185.06	-91.72	-1,939.62	-7,342.89	2,484.75	2,111.22	373.52	6.652		
14,600.00	7,875.00	14,719.22	7,912.61	192.66	188.56	-91.82	-1,944.52	-7,474.93	2,488.66	2,108.57	380.09	6.548		
14,700.00	7,875.00	14,849.98	7,917.16	195.32	192.04	-91.93	-1,946.78	-7,605.59	2,490.37	2,103.82	386.55	6.443		
14,800.00	7,875.00	14,942.86	7,920.52	197.99	194.51	-92.00	-1,948.27	-7,698.40	2,492.08	2,100.47	391.62	6.364		
14,900.00	7,875.00	15,038.56	7,924.07	200.66	197.06	-92.08	-1,950.05	-7,794.01	2,494.06	2,097.28	396.78	6.286		
15,000.00	7,875.00	15,146.34	7,928.14	203.33	199.93	-92.18	-1,951.99	-7,901.70	2,495.99	2,093.60	402.39	6.203		
15,100.00	7,875.00	15,292.56	7,933.51	206.00	203.83	-92.30	-1,952.65	-8,047.81	2,496.46	2,087.14	409.32	6.099		
15,200.00	7,875.00	15,396.13	7,937.28	208.67	206.59	-92.39	-1,952.28	-8,151.31	2,496.24	2,081.48	414.76	6.018		
15,268.72	7,875.00	15,464.80	7,939.79	210.51	208.43	-92.44	-1,952.02	-8,219.94	2,496.07	2,077.65	418.42	5.965 ES		
15,300.00	7,875.00	15,453.00	7,939.35	211.34	208.11	-92.43	-1,952.06	-8,208.15	2,496.37	2,077.76	418.60	5.964		
15,400.00	7,875.00	15,453.00	7,939.35	214.01	208.11	-92.43	-1,952.06	-8,208.15	2,499.85	2,079.84	420.00	5.952 SF		
15,500.00	7,875.00	15,453.00	7,939.35	216.69	208.11	-92.43	-1,952.06	-8,208.15	2,507.32	2,086.57	420.75	5.959		
15,600.00	7,875.00	15,453.00	7,939.35	219.36	208.11	-92.43	-1,952.06	-8,208.15	2,518.74	2,097.91	420.83	5.985		
15,700.00	7,875.00	15,453.00	7,939.35	222.03	208.11	-92.43	-1,952.06	-8,208.15	2,534.05	2,113.77	420.28	6.029		
15,800.00	7,875.00	15,453.00	7,939.35	224.71	208.11	-92.43	-1,952.06	-8,208.15	2,553.20	2,134.08	419.12	6.092		
15,900.00	7,875.00	15,453.00	7,939.35	227.38	208.11	-92.43	-1,952.06	-8,208.15	2,576.09	2,158.71	417.38	6.172		
16,000.00	7,875.00	15,453.00	7,939.35	230.05	208.11	-92.43	-1,952.06	-8,208.15	2,602.62	2,187.52	415.10	6.270		
16,100.00	7,875.00	15,453.00	7,939.35	232.73	208.11	-92.43	-1,952.06	-8,208.15	2,632.68	2,220.37	412.32	6.385		
16,200.00	7,875.00	15,453.00	7,939.35	235.40	208.11	-92.43	-1,952.06	-8,208.15	2,666.16	2,257.07	409.09	6.517		
16,300.00	7,875.00	15,453.00	7,939.35	238.08	208.11	-92.43	-1,952.06	-8,208.15	2,702.93	2,297.47	405.46	6.666		
16,400.00	7,875.00	15,453.00	7,939.35	240.76	208.11	-92.43	-1,952.06	-8,208.15	2,742.85	2,341.38	401.47	6.832		
16,500.00	7,875.00	15,453.00	7,939.35	243.43	208.11	-92.43	-1,952.06	-8,208.15	2,785.79	2,388.61	397.17	7.014		
16,600.00	7,875.00	15,453.00	7,939.35	246.11	208.11	-92.43	-1,952.06	-8,208.15	2,831.61	2,438.99	392.62	7.212		
16,700.00	7,875.00	15,453.00	7,939.35	248.78	208.11	-92.43	-1,952.06	-8,208.15	2,880.17	2,492.32	387.85	7.426		
16,800.00	7,875.00	15,453.00	7,939.35	251.46	208.11	-92.43	-1,952.06	-8,208.15	2,931.35	2,548.44	382.91	7.655		
16,900.00	7,875.00	15,453.00	7,939.35	254.14	208.11	-92.43	-1,952.06	-8,208.15	2,984.99	2,607.16	377.83	7.900		
17,000.00	7,875.00	15,453.00	7,939.35	256.82	208.11	-92.43	-1,952.06	-8,208.15	3,040.98	2,668.33	372.66	8.160		
17,100.00	7,875.00	15,453.00	7,939.35	259.50	208.11	-92.43	-1,952.06	-8,208.15	3,099.19	2,731.77	367.42	8.435		
17,200.00	7,875.00	15,453.00	7,939.35	262.17	208.11	-92.43	-1,952.06	-8,208.15	3,159.49	2,797.35	362.14	8.725		
17,300.00	7,875.00	15,453.00	7,939.35	264.85	208.11	-92.43	-1,952.06	-8,208.15	3,221.77	2,864.92	356.85	9.028		
17,400.00	7,875.00	15,453.00	7,939.35	267.53	208.11	-92.43	-1,952.06	-8,208.15	3,285.91	2,934.34	351.56	9.347		
17,500.00	7,875.00	15,453.00	7,939.35	270.21	208.11	-92.43	-1,952.06	-8,208.15	3,351.80	3,005.49	346.31	9.679		
17,600.00	7,875.00	15,453.00	7,939.35	272.89	208.11	-92.43	-1,952.06	-8,208.15	3,419.35	3,078.25	341.10	10.024		
17,700.00	7,875.00	15,453.00	7,939.35	275.57	208.11	-92.43	-1,952.06	-8,208.15	3,488.46	3,152.51	335.95	10.384		
17,800.00	7,875.00	15,453.00	7,939.35	278.25	208.11	-92.43	-1,952.06	-8,208.15	3,559.04	3,228.16	330.88	10.756		
17,900.00	7,875.00	15,453.00	7,939.35	280.93	208.11	-92.43	-1,952.06	-8,208.15	3,631.00	3,305.12	325.88	11.142		
18,000.00	7,875.00	15,453.00	7,939.35	283.61	208.11	-92.43	-1,952.06	-8,208.15	3,704.26	3,383.29	320.98	11.541		
18,100.00	7,875.00	15,453.00	7,939.35	286.29	208.11	-92.43	-1,952.06	-8,208.15	3,778.75	3,462.59	316.16	11.952		
18,200.00	7,875.00	15,453.00	7,939.35	288.97	208.11	-92.43	-1,952.06	-8,208.15	3,854.39	3,542.94	311.45	12.376		
18,300.00	7,875.00	15,453.00	7,939.35	291.65	208.11	-92.43	-1,952.06	-8,208.15	3,931.12	3,624.28	306.84	12.811		
18,400.00	7,875.00	15,453.00	7,939.35	294.33	208.11	-92.43	-1,952.06	-8,208.15	4,008.88	3,706.54	302.34	13.259		
18,500.00	7,875.00	15,453.00	7,939.35	297.01	208.11	-92.43	-1,952.06	-8,208.15	4,087.61	3,789.66	297.95	13.719		
18,600.00	7,875.00	15,453.00	7,939.35	299.69	208.11	-92.43	-1,952.06	-8,208.15	4,167.25	3,873.58	293.66	14.191		
18,700.00	7,875.00	15,453.00	7,939.35	302.38	208.11	-92.43	-1,952.06	-8,208.15	4,247.74	3,958.26	289.49	14.673		
18,800.00	7,875.00	15,453.00	7,939.35	305.06	208.11	-92.43	-1,952.06	-8,208.15	4,329.06	4,043.64	285.42	15.167		
18,900.00	7,875.00	15,453.00	7,939.35	307.74	208.11	-92.43	-1,952.06	-8,208.15	4,411.14	4,129.68	281.46	15.672		
19,000.00	7,875.00	15,453.00	7,939.35	310.42	208.11	-92.43	-1,952.06	-8,208.15	4,493.94	4,216.34	277.60	16.188		
19,100.00	7,875.00	15,453.00	7,939.35	313.10	208.11	-92.43	-1,952.06	-8,208.15	4,577.44	4,303.58	273.85	16.715		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ GRANDE 4-65 20-19 3AH - OWB - FINAL SURVEY OWB													Offset Site Error:	0.00 usft
Survey Program: 2258-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
19,200.00	7,875.00	15,453.00	7,939.35	315.79	208.11	-92.43	-1,952.06	-8,208.15	4,661.58	4,391.37	270.21	17.252		
19,300.00	7,875.00	15,453.00	7,939.35	318.47	208.11	-92.43	-1,952.06	-8,208.15	4,746.34	4,479.68	266.66	17.799		
19,400.00	7,875.00	15,453.00	7,939.35	321.15	208.11	-92.43	-1,952.06	-8,208.15	4,831.68	4,568.46	263.21	18.356		
19,500.00	7,875.00	15,453.00	7,939.35	323.83	208.11	-92.43	-1,952.06	-8,208.15	4,917.57	4,657.71	259.86	18.924		
19,600.00	7,875.00	15,453.00	7,939.35	326.52	208.11	-92.43	-1,952.06	-8,208.15	5,003.99	4,747.38	256.61	19.501		
19,700.00	7,875.00	15,453.00	7,939.35	329.20	208.11	-92.43	-1,952.06	-8,208.15	5,090.90	4,837.46	253.44	20.087		
19,800.00	7,875.00	15,453.00	7,939.35	331.88	208.11	-92.43	-1,952.06	-8,208.15	5,178.29	4,927.93	250.37	20.683		
19,900.00	7,875.00	15,453.00	7,939.35	334.57	208.11	-92.43	-1,952.06	-8,208.15	5,266.13	5,018.75	247.38	21.288		
20,000.00	7,875.00	15,453.00	7,939.35	337.25	208.11	-92.43	-1,952.06	-8,208.15	5,354.39	5,109.92	244.47	21.902		
20,100.00	7,875.00	15,453.00	7,939.35	339.93	208.11	-92.43	-1,952.06	-8,208.15	5,443.06	5,201.41	241.65	22.525		
20,200.00	7,875.00	15,453.00	7,939.35	342.62	208.11	-92.43	-1,952.06	-8,208.15	5,532.11	5,293.21	238.90	23.156		
20,300.00	7,875.00	15,453.00	7,939.35	345.30	208.11	-92.43	-1,952.06	-8,208.15	5,621.54	5,385.30	236.23	23.796		
20,400.00	7,875.00	15,453.00	7,939.35	347.99	208.11	-92.43	-1,952.06	-8,208.15	5,711.31	5,477.67	233.64	24.445		
20,500.00	7,875.00	15,453.00	7,939.35	350.67	208.11	-92.43	-1,952.06	-8,208.15	5,801.42	5,570.30	231.12	25.101		
20,600.00	7,875.00	15,453.00	7,939.35	353.35	208.11	-92.43	-1,952.06	-8,208.15	5,891.85	5,663.18	228.67	25.766		
20,700.00	7,875.00	15,453.00	7,939.35	356.04	208.11	-92.43	-1,952.06	-8,208.15	5,982.58	5,756.29	226.29	26.438		
20,800.00	7,875.00	15,453.00	7,939.35	358.72	208.11	-92.43	-1,952.06	-8,208.15	6,073.60	5,849.64	223.97	27.118		
20,900.00	7,875.00	15,453.00	7,939.35	361.41	208.11	-92.43	-1,952.06	-8,208.15	6,164.91	5,943.19	221.71	27.806		
21,000.00	7,875.00	15,453.00	7,939.35	364.09	208.11	-92.43	-1,952.06	-8,208.15	6,256.47	6,036.95	219.52	28.501		
21,100.00	7,875.00	15,453.00	7,939.35	366.78	208.11	-92.43	-1,952.06	-8,208.15	6,348.29	6,130.91	217.39	29.203		
21,200.00	7,875.00	15,453.00	7,939.35	369.46	208.11	-92.43	-1,952.06	-8,208.15	6,440.36	6,225.05	215.31	29.912		
21,300.00	7,875.00	15,453.00	7,939.35	372.15	208.11	-92.43	-1,952.06	-8,208.15	6,532.66	6,319.37	213.29	30.628		
21,400.00	7,875.00	15,453.00	7,939.35	374.83	208.11	-92.43	-1,952.06	-8,208.15	6,625.18	6,413.86	211.32	31.351		
21,500.00	7,875.00	15,453.00	7,939.35	377.52	208.11	-92.43	-1,952.06	-8,208.15	6,717.92	6,508.51	209.41	32.081		
21,600.00	7,875.00	15,453.00	7,939.35	380.20	208.11	-92.43	-1,952.06	-8,208.15	6,810.86	6,603.32	207.54	32.817		
21,700.00	7,875.00	15,453.00	7,939.35	382.89	208.11	-92.43	-1,952.06	-8,208.15	6,904.00	6,698.28	205.73	33.559		
21,800.00	7,875.00	15,453.00	7,939.35	385.57	208.11	-92.43	-1,952.06	-8,208.15	6,997.33	6,793.37	203.96	34.308		
21,900.00	7,875.00	15,453.00	7,939.35	388.26	208.11	-92.43	-1,952.06	-8,208.15	7,090.84	6,888.61	202.23	35.063		
22,000.00	7,875.00	15,453.00	7,939.35	390.94	208.11	-92.43	-1,952.06	-8,208.15	7,184.53	6,983.97	200.56	35.823		
22,100.00	7,875.00	15,453.00	7,939.35	393.63	208.11	-92.43	-1,952.06	-8,208.15	7,278.38	7,079.46	198.92	36.590		
22,200.00	7,875.00	15,453.00	7,939.35	396.31	208.11	-92.43	-1,952.06	-8,208.15	7,372.40	7,175.07	197.33	37.362		
22,300.00	7,875.00	15,453.00	7,939.35	399.00	208.11	-92.43	-1,952.06	-8,208.15	7,466.57	7,270.79	195.77	38.139		
22,400.00	7,875.00	15,453.00	7,939.35	401.69	208.11	-92.43	-1,952.06	-8,208.15	7,560.89	7,366.63	194.26	38.922		
22,500.00	7,875.00	15,453.00	7,939.35	404.37	208.11	-92.43	-1,952.06	-8,208.15	7,655.35	7,462.57	192.78	39.710		
22,600.00	7,875.00	15,453.00	7,939.35	407.06	208.11	-92.43	-1,952.06	-8,208.15	7,749.95	7,558.61	191.34	40.503		
22,700.00	7,875.00	15,453.00	7,939.35	409.74	208.11	-92.43	-1,952.06	-8,208.15	7,844.69	7,654.76	189.94	41.302		
22,800.00	7,875.00	15,453.00	7,939.35	412.43	208.11	-92.43	-1,952.06	-8,208.15	7,939.56	7,750.99	188.57	42.105		
22,900.00	7,875.00	15,453.00	7,939.35	415.12	208.11	-92.43	-1,952.06	-8,208.15	8,034.55	7,847.32	187.23	42.913		
23,000.00	7,875.00	15,453.00	7,939.35	417.80	208.11	-92.43	-1,952.06	-8,208.15	8,129.66	7,943.74	185.92	43.726		
23,100.00	7,875.00	15,453.00	7,939.35	420.49	208.11	-92.43	-1,952.06	-8,208.15	8,224.89	8,040.24	184.65	44.543		
23,200.00	7,875.00	15,453.00	7,939.35	423.18	208.11	-92.43	-1,952.06	-8,208.15	8,320.23	8,136.82	183.41	45.364		
23,258.24	7,875.00	15,453.00	7,939.35	424.74	208.11	-92.43	-1,952.06	-8,208.15	8,375.80	8,193.10	182.70	45.845		

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 2258-MWD OWSG, 10621-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	2,178.05	2,178.02	0.00	0.00	-173.58	-2,888.96	-324.84	3,657.64					
29.48	29.48	2,178.05	2,178.02	0.02	0.00	-0.74	-2,888.96	-324.84	3,639.74	3,638.34	1.40	2,607.906		
60.08	60.08	2,178.05	2,178.02	0.12	0.00	11.16	-2,888.96	-324.84	3,621.30	3,619.91	1.38	2,620.142		
121.28	121.28	2,178.05	2,178.02	0.33	0.00	-178.18	-2,888.96	-324.84	3,585.42	3,584.05	1.36	2,630.480		
151.88	151.88	2,178.05	2,178.02	0.44	0.00	96.62	-2,888.96	-324.84	3,567.78	3,566.41	1.37	2,606.942		
182.48	182.47	2,178.05	2,178.02	0.55	0.00	-21.08	-2,888.96	-324.84	3,550.13	3,548.73	1.40	2,541.626		
213.08	213.07	2,178.05	2,178.02	0.65	0.00	-9.47	-2,888.96	-324.84	3,532.57	3,531.15	1.42	2,480.809		
243.68	243.67	2,178.05	2,178.02	0.76	0.00	-54.65	-2,888.96	-324.84	3,515.15	3,513.70	1.45	2,418.922		
286.38	286.37	2,178.05	2,178.02	0.91	0.00	-12.45	-2,888.96	-324.84	3,491.09	3,489.58	1.50	2,322.960		
329.08	329.07	2,178.05	2,178.02	1.06	0.00	-23.24	-2,888.96	-324.84	3,467.25	3,465.68	1.57	2,213.843		
371.78	371.77	2,178.05	2,178.02	1.22	0.00	-46.61	-2,888.96	-324.84	3,443.81	3,442.18	1.63	2,110.479		
414.48	414.46	2,178.05	2,178.02	1.36	0.00	-155.87	-2,888.96	-324.84	3,421.22	3,419.53	1.69	2,026.656		
457.18	457.15	2,178.05	2,178.02	1.51	0.00	-171.67	-2,888.96	-324.84	3,399.85	3,398.10	1.74	1,951.039		
499.88	499.81	2,178.05	2,178.02	1.66	0.00	179.25	-2,888.96	-324.84	3,379.53	3,377.72	1.82	1,861.821		
542.58	542.45	2,178.05	2,178.02	1.81	0.00	178.51	-2,888.96	-324.84	3,360.02	3,358.11	1.91	1,762.220		
585.28	585.08	2,178.05	2,178.02	1.96	0.00	179.65	-2,888.96	-324.84	3,341.08	3,339.07	2.01	1,659.768		
627.98	627.70	2,178.05	2,178.02	2.11	0.00	-179.42	-2,888.96	-324.84	3,322.59	3,320.46	2.13	1,560.322		
670.68	670.32	2,178.05	2,178.02	2.26	0.00	-178.20	-2,888.96	-324.84	3,304.79	3,302.55	2.25	1,471.707		
713.38	712.90	2,178.05	2,178.02	2.41	0.00	-173.62	-2,888.96	-324.84	3,287.84	3,285.48	2.37	1,390.133		
756.08	755.45	2,178.05	2,178.02	2.57	0.00	-175.10	-2,888.96	-324.84	3,271.77	3,269.28	2.49	1,313.729		
798.78	797.96	2,178.05	2,178.02	2.73	0.00	-171.76	-2,888.96	-324.84	3,256.56	3,253.94	2.62	1,242.219		
841.48	840.50	2,178.05	2,178.02	2.88	0.00	-165.24	-2,888.96	-324.84	3,241.42	3,238.65	2.77	1,170.600		
884.18	883.12	2,178.05	2,178.02	3.04	0.00	-163.06	-2,888.96	-324.84	3,225.88	3,222.96	2.92	1,103.138		
926.88	925.77	2,178.05	2,178.02	3.19	0.00	-162.43	-2,888.96	-324.84	3,210.22	3,207.14	3.08	1,043.708		
969.58	968.44	2,178.05	2,178.02	3.34	0.00	-165.52	-2,888.96	-324.84	3,194.58	3,191.35	3.23	990.407		
1,012.28	1,011.13	2,178.05	2,178.02	3.50	0.00	-166.43	-2,888.96	-324.84	3,178.95	3,175.58	3.38	941.617		
1,054.98	1,053.83	2,178.05	2,178.02	3.65	0.00	-155.96	-2,888.96	-324.84	3,163.39	3,159.86	3.53	897.007		
1,097.68	1,096.53	2,178.05	2,178.02	3.80	0.00	-74.18	-2,888.96	-324.84	3,148.04	3,144.36	3.67	856.702		
1,140.38	1,139.23	2,178.05	2,178.02	3.94	0.00	-23.20	-2,888.96	-324.84	3,132.88	3,129.06	3.82	819.928		
1,183.08	1,181.92	2,178.05	2,178.02	4.09	0.00	-40.15	-2,888.96	-324.84	3,118.11	3,114.14	3.97	786.296		
1,225.78	1,224.62	2,178.05	2,178.02	4.23	0.00	-51.51	-2,888.96	-324.84	3,103.90	3,099.79	4.11	754.996		
1,268.48	1,267.32	2,178.05	2,178.02	4.38	0.00	-16.66	-2,888.96	-324.84	3,090.06	3,085.80	4.26	725.440		
1,311.18	1,310.01	2,178.05	2,178.02	4.53	0.00	-15.89	-2,888.96	-324.84	3,076.50	3,072.10	4.41	697.804		
1,353.88	1,352.71	2,178.05	2,178.02	4.67	0.00	-18.84	-2,888.96	-324.84	3,063.43	3,058.87	4.56	672.124		
1,396.58	1,395.40	2,178.05	2,178.02	4.82	0.00	-20.66	-2,888.96	-324.84	3,050.85	3,046.14	4.71	647.997		
1,439.28	1,438.09	2,178.05	2,178.02	4.96	0.00	-16.68	-2,888.96	-324.84	3,038.75	3,033.89	4.86	625.319		
1,481.98	1,480.78	2,178.05	2,178.02	5.11	0.00	-20.65	-2,888.96	-324.84	3,027.13	3,022.12	5.01	603.978		
1,524.68	1,523.46	2,178.05	2,178.02	5.26	0.00	-22.01	-2,888.96	-324.84	3,015.94	3,010.77	5.17	583.839		
1,567.38	1,566.14	2,178.05	2,178.02	5.41	0.00	-21.89	-2,888.96	-324.84	3,005.23	2,999.91	5.32	564.922		
1,610.08	1,608.83	2,178.05	2,178.02	5.56	0.00	-9.46	-2,888.96	-324.84	2,995.23	2,989.76	5.47	547.260		
1,652.78	1,651.52	2,178.05	2,178.02	5.70	0.00	15.15	-2,888.96	-324.84	2,986.17	2,980.54	5.63	530.785		
1,695.48	1,694.22	2,178.05	2,178.02	5.85	0.00	20.55	-2,888.96	-324.84	2,977.88	2,972.10	5.78	515.224		
1,738.18	1,736.92	2,178.05	2,178.02	6.00	0.00	33.89	-2,888.96	-324.84	2,970.15	2,964.22	5.93	500.486		
1,780.88	1,779.61	2,178.05	2,178.02	6.15	0.00	30.27	-2,888.96	-324.84	2,963.03	2,956.94	6.09	486.609		
1,823.58	1,822.31	2,178.05	2,178.02	6.30	0.00	22.74	-2,888.96	-324.84	2,956.50	2,950.25	6.24	473.486		
1,866.28	1,865.00	2,178.05	2,178.02	6.45	0.00	18.44	-2,888.96	-324.84	2,950.41	2,944.01	6.40	461.046		
1,908.98	1,907.69	2,178.05	2,178.02	6.59	0.00	21.55	-2,888.96	-324.84	2,944.84	2,938.28	6.55	449.303		
1,951.68	1,950.39	2,178.05	2,178.02	6.74	0.00	22.62	-2,888.96	-324.84	2,939.84	2,933.13	6.71	438.224		
1,994.38	1,993.08	2,178.05	2,178.02	6.89	0.00	22.25	-2,888.96	-324.84	2,935.38	2,928.52	6.86	427.749		
2,037.08	2,035.77	2,178.05	2,178.02	7.04	0.00	20.16	-2,888.96	-324.84	2,931.51	2,924.50	7.02	417.850		
2,079.78	2,078.46	2,178.05	2,178.02	7.19	0.00	26.71	-2,888.96	-324.84	2,928.27	2,921.11	7.17	408.507		
2,122.48	2,121.15	2,178.05	2,178.02	7.34	0.00	22.70	-2,888.96	-324.84	2,925.72	2,918.40	7.32	399.687		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ GRANDE 4-65 20-19 3AH - STK - FINAL STK													Offset Site Error:	0.00 usft
Survey Program: 2258-MWD OWSG, 10621-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
2,165.18	2,163.84	2,178.05	2,178.02	7.49	0.00	21.19	-2,888.96	-324.84	2,923.84	2,916.37	7.47	391.353		
2,200.00	2,198.65	2,178.05	2,178.02	7.55	0.00	21.19	-2,888.96	-324.84	2,922.77	2,915.24	7.53	387.987		
2,220.18	2,218.83	2,178.05	2,178.02	7.55	0.00	21.19	-2,888.96	-324.84	2,922.35	2,914.81	7.53	387.903		
2,300.00	2,298.64	2,258.77	2,258.74	7.56	0.14	-83.83	-2,888.96	-324.75	2,921.57	2,913.89	7.69	379.996		
2,311.79	2,310.43	2,270.47	2,270.44	7.57	0.19	-91.60	-2,888.96	-324.75	2,921.56	2,913.83	7.74	377.704		
2,400.00	2,398.59	2,358.12	2,358.09	7.59	0.50	-111.59	-2,888.92	-324.71	2,922.33	2,914.26	8.07	361.945		
2,500.00	2,498.36	2,448.65	2,448.62	7.64	0.81	-116.92	-2,889.01	-324.96	2,925.24	2,916.81	8.43	346.958		
2,600.00	2,597.86	2,525.71	2,525.68	7.71	1.08	-119.13	-2,889.52	-325.01	2,930.66	2,921.90	8.76	334.497		
2,700.00	2,696.94	2,656.34	2,656.30	7.79	1.53	-120.50	-2,889.98	-324.62	2,937.68	2,928.37	9.31	315.671		
2,730.19	2,726.76	2,673.77	2,673.74	7.83	1.59	-120.76	-2,890.01	-324.65	2,940.17	2,930.77	9.40	312.826		
2,800.00	2,795.64	2,714.03	2,713.99	7.91	1.73	-120.87	-2,890.34	-324.88	2,946.65	2,937.03	9.62	306.325		
2,900.00	2,894.31	2,781.78	2,781.73	8.05	1.97	-121.05	-2,891.65	-325.02	2,957.01	2,947.02	9.99	296.041		
3,000.00	2,992.99	2,970.91	2,970.76	8.22	2.64	-121.65	-2,892.77	-320.19	2,965.46	2,954.65	10.81	274.388		
3,100.00	3,091.66	3,040.41	3,040.26	8.40	2.88	-121.84	-2,892.93	-319.91	2,974.17	2,962.94	11.22	264.988		
3,200.00	3,190.34	3,170.69	3,170.53	8.61	3.33	-122.20	-2,892.56	-319.41	2,982.50	2,970.63	11.87	251.226		
3,300.00	3,289.01	3,239.49	3,239.34	8.83	3.58	-122.39	-2,892.21	-319.17	2,990.82	2,978.50	12.32	242.770		
3,400.00	3,387.69	3,297.00	3,296.84	9.07	3.78	-122.54	-2,892.87	-319.21	3,000.68	2,987.94	12.74	235.513		
3,500.00	3,486.36	3,428.15	3,427.97	9.33	4.24	-122.89	-2,894.41	-318.98	3,010.72	2,997.28	13.44	224.018		
3,600.00	3,585.03	3,539.28	3,539.10	9.60	4.63	-123.19	-2,894.82	-318.25	3,019.99	3,005.91	14.08	214.437		
3,700.00	3,683.71	3,645.79	3,645.61	9.88	5.01	-123.47	-2,894.83	-318.08	3,028.99	3,014.26	14.72	205.735		
3,800.00	3,782.38	3,741.00	3,740.83	10.18	5.34	-123.71	-2,894.74	-317.99	3,037.95	3,022.62	15.33	198.200		
3,900.00	3,881.06	3,834.91	3,834.73	10.48	5.67	-123.95	-2,894.81	-318.14	3,047.15	3,031.22	15.94	191.201		
4,000.00	3,979.73	4,179.73	4,179.23	10.80	6.87	-124.86	-2,884.73	-315.70	3,055.68	3,038.26	17.42	175.378		
4,100.00	4,078.41	4,482.86	4,480.47	11.13	7.95	-125.52	-2,851.80	-319.85	3,055.02	3,036.31	18.72	163.225		
4,200.00	4,177.08	4,621.30	4,617.11	11.46	8.46	-125.75	-2,830.40	-324.95	3,048.97	3,029.48	19.49	156.418		
4,300.00	4,275.76	4,699.17	4,693.74	11.80	8.75	-125.82	-2,818.21	-331.57	3,042.93	3,022.84	20.09	151.429		
4,400.00	4,374.43	5,157.02	5,138.43	12.15	10.67	-126.14	-2,719.52	-372.91	3,029.22	3,007.38	21.84	138.707		
4,500.00	4,473.10	5,216.22	5,194.81	12.51	10.95	-126.10	-2,703.96	-382.10	3,012.45	2,990.02	22.43	134.286		
4,600.00	4,571.78	5,280.00	5,255.77	12.87	11.25	-126.06	-2,688.06	-392.04	2,997.00	2,973.95	23.05	130.024		
4,700.00	4,670.45	5,431.48	5,400.39	13.23	12.00	-126.01	-2,648.44	-413.44	2,979.92	2,955.98	23.95	124.447		
4,800.00	4,769.13	5,469.00	5,436.11	13.60	12.18	-125.99	-2,638.74	-419.62	2,963.99	2,939.49	24.50	120.981		
4,900.00	4,867.80	5,516.73	5,481.54	13.98	12.42	-125.92	-2,627.29	-428.70	2,949.87	2,924.77	25.10	117.541		
5,000.00	4,966.48	5,564.00	5,526.52	14.36	12.66	-125.83	-2,617.35	-439.29	2,938.10	2,912.41	25.69	114.349		
5,100.00	5,065.15	5,591.59	5,552.76	14.75	12.80	-125.77	-2,612.12	-446.02	2,928.31	2,902.09	26.22	111.664		
5,200.00	5,163.82	5,635.72	5,594.76	15.13	13.02	-125.66	-2,604.42	-457.18	2,920.52	2,893.71	26.82	108.908		
5,300.00	5,262.50	6,022.60	5,964.81	15.52	15.02	-125.31	-2,517.74	-522.74	2,904.42	2,875.77	28.64	101.395		
5,400.00	5,361.17	6,269.60	6,201.55	15.92	16.24	-125.96	-2,447.67	-520.87	2,884.62	2,854.91	29.71	97.090		
5,500.00	5,459.85	6,365.56	6,292.88	16.32	16.72	-126.28	-2,418.48	-516.93	2,863.09	2,832.67	30.42	94.132		
5,600.00	5,558.52	6,459.24	6,382.06	16.71	17.19	-126.61	-2,390.09	-512.71	2,841.74	2,810.62	31.12	91.323		
5,700.00	5,657.20	6,544.36	6,463.11	17.12	17.62	-126.91	-2,364.41	-508.56	2,820.62	2,788.81	31.81	88.684		
5,800.00	5,755.87	6,604.00	6,520.01	17.52	17.93	-127.12	-2,346.75	-506.04	2,800.31	2,767.86	32.44	86.312		
5,900.00	5,854.54	6,658.99	6,572.71	17.93	18.20	-127.31	-2,331.21	-503.86	2,781.47	2,748.40	33.07	84.102		
6,000.00	5,953.22	6,730.13	6,641.30	18.34	18.56	-127.56	-2,312.52	-501.22	2,764.47	2,730.73	33.74	81.937		
6,100.00	6,051.89	6,854.69	6,761.13	18.75	19.21	-127.87	-2,278.61	-502.74	2,746.71	2,712.16	34.55	79.502		
6,200.00	6,150.57	6,949.01	6,851.86	19.16	19.71	-128.09	-2,252.90	-504.73	2,729.06	2,693.77	35.29	77.328		
6,300.00	6,249.24	7,030.32	6,930.10	19.57	20.15	-128.27	-2,230.91	-506.74	2,711.68	2,675.67	36.01	75.307		
6,400.00	6,347.92	7,122.21	7,018.53	19.99	20.64	-128.40	-2,206.78	-513.22	2,695.06	2,658.29	36.76	73.307		
6,500.00	6,446.59	7,325.77	7,213.19	20.41	21.79	-128.76	-2,148.24	-523.45	2,675.41	2,637.62	37.79	70.794		
6,600.00	6,545.26	7,417.42	7,300.24	20.82	22.33	-128.84	-2,120.91	-532.04	2,655.13	2,616.56	38.56	68.849		
6,700.00	6,643.94	7,564.11	7,438.11	21.24	23.23	-128.79	-2,076.30	-553.76	2,634.04	2,594.52	39.52	66.659		
6,800.00	6,742.61	7,843.03	7,669.14	21.66	25.28	-126.68	-1,989.06	-679.72	2,609.42	2,568.04	41.37	63.069		
6,900.00	6,841.29	7,906.21	7,712.62	22.09	25.83	-125.87	-1,969.85	-721.29	2,582.02	2,539.55	42.47	60.802		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 2258-MWD OWSG, 10621-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
7,000.00	6,939.96	7,927.00	7,726.00	22.51	26.02	-125.57	-1,963.93	-736.06	2,556.79	2,513.54	43.25	59.115		
7,100.00	7,038.64	7,964.30	7,748.95	22.93	26.35	-125.00	-1,954.28	-763.84	2,534.25	2,490.03	44.22	57.311		
7,200.00	7,137.31	7,985.52	7,761.42	23.36	26.55	-124.66	-1,949.50	-780.32	2,515.01	2,470.00	45.01	55.871		
7,300.00	7,235.99	8,021.00	7,781.28	23.78	26.88	-124.06	-1,942.71	-808.92	2,499.22	2,453.27	45.95	54.391		
7,400.00	7,334.66	8,021.00	7,781.28	24.21	26.88	-124.06	-1,942.71	-808.92	2,486.50	2,440.05	46.45	53.530		
7,444.84	7,378.91	8,021.00	7,781.28	24.40	26.88	-124.06	-1,942.71	-808.92	2,482.08	2,435.42	46.66	53.195		
7,450.00	7,383.99	8,021.00	7,781.28	24.42	26.88	-122.29	-1,942.71	-808.92	2,481.63	2,434.94	46.68	53.158		
7,500.00	7,432.91	8,021.00	7,781.28	24.66	26.88	-111.02	-1,942.71	-808.92	2,477.62	2,430.70	46.92	52.809		
7,550.00	7,480.84	8,021.00	7,781.28	24.93	26.88	-105.36	-1,942.71	-808.92	2,474.41	2,427.25	47.16	52.471		
7,600.00	7,527.44	8,021.00	7,781.28	25.23	26.88	-102.06	-1,942.71	-808.92	2,472.03	2,424.62	47.41	52.144		
7,650.00	7,572.35	8,021.00	7,781.28	25.57	26.88	-99.91	-1,942.71	-808.92	2,470.50	2,422.84	47.67	51.827		
7,700.00	7,615.21	8,065.82	7,804.83	25.94	27.26	-97.94	-1,936.94	-846.60	2,467.60	2,419.02	48.59	50.789		
7,750.00	7,655.72	8,074.13	7,809.02	26.35	27.34	-96.77	-1,936.28	-853.73	2,466.89	2,417.89	49.00	50.345		
7,777.31	7,676.74	8,078.77	7,811.34	26.60	27.38	-96.24	-1,935.97	-857.74	2,466.79	2,417.55	49.24	50.095		
7,800.00	7,693.55	8,116.00	7,829.30	26.80	27.72	-95.60	-1,934.95	-890.32	2,468.10	2,418.17	49.93	49.429		
7,821.04	7,708.61	8,116.00	7,829.30	27.01	27.72	-95.30	-1,934.95	-890.32	2,468.03	2,417.95	50.08	49.284		
7,850.00	7,728.43	8,116.00	7,829.30	27.29	27.72	-94.92	-1,934.95	-890.32	2,468.16	2,417.89	50.27	49.098		
7,900.00	7,760.08	8,116.00	7,829.30	27.82	27.72	-94.32	-1,934.95	-890.32	2,469.04	2,418.41	50.63	48.764		
7,950.00	7,788.27	8,116.00	7,829.30	28.40	27.72	-93.74	-1,934.95	-890.32	2,470.72	2,419.70	51.02	48.424		
8,000.00	7,812.78	8,116.00	7,829.30	29.02	27.72	-93.18	-1,934.95	-890.32	2,473.19	2,421.75	51.44	48.075		
8,050.00	7,833.42	8,143.88	7,841.82	29.69	27.96	-92.66	-1,935.37	-915.23	2,476.09	2,423.71	52.37	47.279		
8,100.00	7,850.04	8,166.37	7,851.19	30.41	28.16	-92.20	-1,936.01	-935.67	2,479.29	2,426.04	53.24	46.565		
8,150.00	7,862.51	8,188.78	7,859.88	31.16	28.36	-91.80	-1,936.92	-956.30	2,482.76	2,428.61	54.15	45.853		
8,200.00	7,870.73	8,211.22	7,867.92	31.94	28.57	-91.45	-1,938.10	-977.21	2,486.50	2,431.42	55.08	45.146		
8,250.00	7,874.65	8,278.10	7,888.29	32.75	29.26	-91.40	-1,941.85	-1,040.79	2,490.04	2,433.10	56.94	43.732		
8,270.17	7,875.00	8,305.64	7,895.14	33.09	29.57	-91.42	-1,943.32	-1,067.42	2,491.29	2,433.58	57.71	43.169		
8,300.00	7,875.00	8,363.14	7,905.68	33.59	30.27	-91.66	-1,946.10	-1,123.85	2,492.91	2,433.62	59.29	42.046		
8,400.00	7,875.00	8,457.38	7,912.32	35.34	31.55	-91.81	-1,950.21	-1,217.73	2,497.51	2,434.88	62.63	39.879		
8,500.00	7,875.00	8,513.81	7,912.85	37.22	32.37	-91.82	-1,953.43	-1,274.05	2,503.33	2,438.09	65.24	38.370		
8,600.00	7,875.00	8,565.55	7,912.64	39.18	33.16	-91.82	-1,957.56	-1,325.63	2,511.21	2,443.35	67.86	37.006		
8,700.00	7,875.00	8,626.00	7,912.33	41.23	34.12	-91.80	-1,963.36	-1,385.80	2,520.75	2,449.98	70.76	35.622		
8,800.00	7,875.00	8,937.76	7,911.39	43.36	39.91	-91.77	-1,984.12	-1,696.75	2,528.51	2,447.70	80.81	31.289		
8,900.00	7,875.00	9,149.78	7,910.94	45.54	44.49	-91.76	-1,983.25	-1,908.74	2,527.94	2,439.43	88.51	28.562		
9,000.00	7,875.00	9,226.90	7,910.94	47.77	46.23	-91.76	-1,981.46	-1,985.84	2,525.66	2,433.21	92.45	27.319		
9,100.00	7,875.00	9,287.00	7,911.02	50.06	47.60	-91.76	-1,981.00	-2,045.93	2,524.86	2,428.92	95.94	26.317		
9,200.00	7,875.00	9,399.70	7,910.79	52.38	50.21	-91.76	-1,980.81	-2,158.64	2,524.69	2,423.63	101.06	24.981		
9,300.00	7,875.00	9,532.09	7,909.37	54.73	53.35	-91.73	-1,979.21	-2,291.01	2,523.41	2,416.56	106.85	23.616		
9,400.00	7,875.00	9,663.66	7,907.50	57.12	56.53	-91.69	-1,976.13	-2,422.52	2,521.03	2,408.36	112.67	22.374		
9,500.00	7,875.00	9,784.53	7,906.25	59.53	59.50	-91.66	-1,972.04	-2,543.31	2,517.61	2,399.38	118.23	21.295		
9,600.00	7,875.00	9,903.32	7,904.92	61.96	62.45	-91.63	-1,966.80	-2,661.98	2,513.12	2,389.37	123.76	20.307		
9,700.00	7,875.00	9,995.61	7,903.98	64.42	64.76	-91.61	-1,962.64	-2,754.17	2,508.58	2,380.05	128.53	19.518		
9,800.00	7,875.00	10,077.00	7,903.24	66.89	66.80	-91.60	-1,959.36	-2,835.50	2,504.53	2,371.54	132.99	18.832		
9,900.00	7,875.00	10,154.28	7,902.65	69.38	68.75	-91.59	-1,957.02	-2,912.73	2,501.44	2,364.10	137.34	18.213		
10,000.00	7,875.00	10,246.58	7,901.75	71.89	71.09	-91.57	-1,954.63	-3,005.00	2,498.81	2,356.64	142.18	17.575		
10,100.00	7,875.00	10,319.61	7,901.03	74.41	72.94	-91.55	-1,953.30	-3,078.02	2,496.96	2,350.54	146.42	17.053		
10,200.00	7,875.00	10,389.70	7,900.37	76.94	74.72	-91.54	-1,952.82	-3,148.10	2,496.23	2,345.67	150.57	16.579		
10,209.81	7,875.00	10,396.54	7,900.30	77.19	74.89	-91.54	-1,952.82	-3,154.94	2,496.23	2,345.26	150.97	16.534		
10,300.00	7,875.00	10,473.61	7,899.47	79.48	76.85	-91.52	-1,953.15	-3,232.00	2,496.56	2,341.40	155.16	16.090		
10,400.00	7,875.00	10,760.03	7,916.43	82.03	81.17	-91.91	-1,945.60	-3,517.38	2,495.40	2,332.45	162.95	15.314		
10,500.00	7,875.00	10,500.00	7,936.67	84.59	77.81	-92.40	-1,923.37	-3,758.47	2,487.77	2,325.44	162.33	15.325		
10,600.00	7,875.00	11,084.32	7,937.39	87.16	84.91	-92.43	-1,912.74	-3,838.85	2,474.85	2,302.89	171.96	14.392		
10,700.00	7,875.00	11,134.00	7,937.37	89.73	85.54	-92.43	-1,907.72	-3,888.27	2,464.35	2,289.22	175.13	14.072		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ GRANDE 4-65 20-19 3AH - STK - FINAL STK													Offset Site Error:	0.00 usft
Survey Program: 2258-MWD OWSG, 10621-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
10,800.00	7,875.00	11,134.00	7,937.37	92.31	85.54	-92.43	-1,907.72	-3,888.27	2,456.50	2,279.03	177.47	13.842		
10,900.00	7,875.00	11,185.01	7,937.43	94.90	86.22	-92.43	-1,904.60	-3,939.18	2,451.02	2,270.50	180.52	13.577		
11,000.00	7,875.00	11,228.00	7,937.49	97.49	86.79	-92.44	-1,903.78	-3,982.16	2,448.67	2,265.31	183.36	13.355		
11,037.02	7,875.00	11,228.00	7,937.49	98.45	86.79	-92.44	-1,903.78	-3,982.16	2,448.39	2,264.33	184.06	13.302 CC		
11,100.00	7,875.00	11,255.35	7,937.53	100.09	87.16	-92.44	-1,903.98	-4,009.51	2,448.84	2,263.06	185.79	13.181		
11,200.00	7,875.00	11,298.60	7,937.56	102.69	87.75	-92.44	-1,905.12	-4,052.74	2,451.46	2,263.01	188.45	13.009		
11,300.00	7,875.00	11,323.00	7,937.56	105.30	88.09	-92.44	-1,906.20	-4,077.12	2,456.55	2,266.02	190.53	12.893		
11,400.00	7,875.00	11,386.78	7,937.56	107.91	88.98	-92.43	-1,910.48	-4,140.75	2,463.55	2,269.98	193.57	12.727		
11,500.00	7,875.00	11,417.00	7,937.56	110.53	89.41	-92.43	-1,913.22	-4,170.85	2,473.05	2,277.46	195.59	12.644		
11,600.00	7,875.00	11,471.67	7,937.60	113.15	90.19	-92.42	-1,919.44	-4,225.16	2,484.69	2,286.43	198.26	12.532		
11,700.00	7,875.00	11,513.74	7,937.69	115.77	90.79	-92.42	-1,925.36	-4,266.81	2,498.72	2,298.27	200.45	12.466		
11,800.00	7,875.00	11,594.16	7,937.92	118.40	91.97	-92.41	-1,937.84	-4,346.25	2,514.22	2,310.31	203.91	12.330		
11,900.00	7,875.00	11,900.00	7,938.37	121.03	96.68	-92.40	-1,961.13	-4,497.53	2,529.65	2,317.25	212.39	11.910		
12,000.00	7,875.00	11,982.24	7,938.49	123.66	98.12	-92.38	-1,986.17	-4,731.16	2,539.67	2,321.03	218.63	11.616		
12,100.00	7,875.00	12,508.60	7,939.71	126.29	107.73	-92.41	-1,982.12	-5,256.56	2,535.40	2,301.53	233.87	10.841		
12,200.00	7,875.00	12,552.00	7,939.63	128.93	108.57	-92.41	-1,978.82	-5,299.83	2,528.00	2,290.69	237.31	10.653		
12,300.00	7,875.00	12,602.32	7,939.49	131.57	109.55	-92.41	-1,976.04	-5,350.07	2,522.66	2,281.84	240.81	10.476		
12,400.00	7,875.00	12,647.00	7,939.40	134.21	110.43	-92.41	-1,974.74	-5,394.73	2,519.65	2,275.55	244.10	10.322		
12,500.00	7,875.00	12,699.94	7,939.33	136.85	111.48	-92.41	-1,974.27	-5,447.67	2,518.68	2,271.17	247.51	10.176		
12,505.85	7,875.00	12,703.25	7,939.33	137.00	111.54	-92.41	-1,974.27	-5,450.98	2,518.68	2,270.97	247.71	10.168		
12,600.00	7,875.00	12,760.77	7,939.30	139.49	112.69	-92.41	-1,974.75	-5,508.50	2,519.42	2,268.35	251.07	10.035		
12,700.00	7,875.00	12,835.00	7,939.40	142.14	114.17	-92.41	-1,976.26	-5,582.71	2,521.43	2,266.44	254.98	9.889		
12,800.00	7,875.00	12,906.65	7,939.52	144.79	115.62	-92.41	-1,978.49	-5,654.32	2,524.50	2,265.69	258.81	9.754		
12,900.00	7,875.00	13,047.05	7,939.50	147.44	118.49	-92.41	-1,982.56	-5,794.67	2,527.42	2,262.66	264.76	9.546		
13,000.00	7,875.00	13,137.65	7,938.95	150.09	120.38	-92.39	-1,984.66	-5,885.24	2,529.69	2,260.46	269.22	9.396		
13,100.00	7,875.00	13,243.19	7,938.82	152.74	122.59	-92.39	-1,986.91	-5,990.75	2,531.79	2,257.63	274.16	9.235		
13,200.00	7,875.00	13,627.98	7,938.80	155.39	130.94	-92.40	-1,967.64	-6,374.60	2,522.35	2,236.29	286.06	8.818		
13,300.00	7,875.00	13,686.00	7,938.05	158.05	132.23	-92.39	-1,963.13	-6,432.44	2,514.34	2,224.26	290.08	8.668		
13,400.00	7,875.00	13,715.71	7,937.43	160.70	132.89	-92.38	-1,961.49	-6,462.10	2,508.42	2,215.04	293.37	8.550		
13,500.00	7,875.00	13,754.13	7,936.39	163.36	133.74	-92.36	-1,960.22	-6,500.48	2,504.98	2,208.29	296.69	8.443		
13,582.21	7,875.00	13,781.00	7,935.50	165.55	134.34	-92.34	-1,959.90	-6,527.34	2,504.00	2,204.85	299.16	8.370		
13,600.00	7,875.00	13,781.00	7,935.50	166.02	134.34	-92.34	-1,959.90	-6,527.34	2,504.07	2,204.57	299.50	8.361		
13,700.00	7,875.00	13,825.12	7,934.08	168.68	135.32	-92.30	-1,960.50	-6,571.42	2,505.63	2,203.00	302.63	8.279		
13,800.00	7,875.00	13,875.00	7,932.83	171.34	136.43	-92.27	-1,963.00	-6,621.23	2,510.04	2,204.21	305.83	8.207		
13,900.00	7,875.00	13,900.63	7,932.36	174.00	136.99	-92.26	-1,964.90	-6,646.78	2,516.69	2,208.71	307.98	8.172		
14,000.00	7,875.00	13,949.25	7,931.91	176.66	138.06	-92.25	-1,969.25	-6,695.20	2,525.58	2,214.75	310.82	8.125		
14,100.00	7,875.00	14,124.98	7,932.01	179.33	141.99	-92.24	-1,983.14	-6,870.36	2,533.07	2,214.32	318.75	7.947		
14,200.00	7,875.00	14,204.71	7,932.04	181.99	143.78	-92.23	-1,989.05	-6,949.87	2,540.44	2,217.53	322.91	7.867		
14,300.00	7,875.00	14,356.00	7,932.62	184.66	147.22	-92.24	-1,999.86	-7,100.77	2,547.82	2,218.01	329.82	7.725		
14,400.00	7,875.00	14,828.28	7,936.42	187.32	158.26	-92.33	-1,993.98	-7,572.32	2,548.10	2,202.96	345.13	7.383		
14,500.00	7,875.00	14,901.76	7,936.93	189.99	160.01	-92.34	-1,987.79	-7,645.54	2,539.69	2,190.04	349.66	7.263		
14,600.00	7,875.00	14,969.83	7,937.44	192.66	161.63	-92.36	-1,982.81	-7,713.42	2,532.41	2,178.37	354.04	7.153		
14,700.00	7,875.00	15,042.43	7,937.99	195.32	163.37	-92.38	-1,978.43	-7,785.88	2,526.36	2,167.88	358.48	7.047		
14,800.00	7,875.00	15,119.58	7,938.60	197.99	165.22	-92.39	-1,974.41	-7,862.93	2,521.20	2,158.19	363.00	6.945		
14,900.00	7,875.00	15,196.00	7,939.21	200.66	167.06	-92.41	-1,971.35	-7,939.28	2,517.15	2,149.67	367.49	6.850		
15,000.00	7,875.00	15,279.38	7,939.88	203.33	169.07	-92.43	-1,968.66	-8,022.62	2,513.92	2,141.79	372.13	6.755		
15,100.00	7,875.00	15,345.93	7,940.44	206.00	170.68	-92.44	-1,966.97	-8,089.14	2,511.44	2,135.14	376.30	6.674		
15,200.00	7,875.00	15,445.79	7,941.44	208.67	173.10	-92.47	-1,965.65	-8,188.99	2,510.15	2,128.77	381.38	6.582		
15,300.00	7,875.00	15,540.22	7,942.52	211.34	175.40	-92.49	-1,963.79	-8,283.40	2,508.23	2,121.91	386.32	6.493		
15,400.00	7,875.00	15,622.75	7,943.26	214.01	177.41	-92.51	-1,962.85	-8,365.91	2,507.10	2,116.20	390.91	6.414		
15,490.35	7,875.00	15,692.32	7,943.91	216.43	179.10	-92.53	-1,962.45	-8,435.48	2,506.63	2,111.74	394.89	6.348		
15,500.00	7,875.00	15,698.41	7,943.97	216.69	179.25	-92.53	-1,962.45	-8,441.57	2,506.64	2,111.37	395.27	6.342		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ GRANDE 4-65 20-19 3AH - STK - FINAL STK													Offset Site Error:	0.00 usft
Survey Program: 2258-MWD OWSG, 10621-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
15,600.00	7,875.00	15,765.30	7,944.55	219.36	180.89	-92.54	-1,962.98	-8,503.86	2,507.52	2,108.25	399.26	6.280		
15,700.00	7,875.00	15,795.00	7,944.86	222.03	181.61	-92.55	-1,963.53	-8,538.15	2,510.02	2,108.11	401.91	6.245 ES		
15,800.00	7,875.00	15,795.00	7,944.86	224.71	181.61	-92.55	-1,963.53	-8,538.15	2,516.27	2,113.34	402.92	6.245 SF		
15,900.00	7,875.00	15,795.00	7,944.86	227.38	181.61	-92.55	-1,963.53	-8,538.15	2,526.46	2,123.14	403.32	6.264		
16,000.00	7,875.00	15,795.00	7,944.86	230.05	181.61	-92.55	-1,963.53	-8,538.15	2,540.55	2,137.45	403.10	6.303		
16,100.00	7,875.00	15,795.00	7,944.86	232.73	181.61	-92.55	-1,963.53	-8,538.15	2,558.47	2,156.18	402.30	6.360		
16,200.00	7,875.00	15,795.00	7,944.86	235.40	181.61	-92.55	-1,963.53	-8,538.15	2,580.15	2,179.22	400.94	6.435		
16,300.00	7,875.00	15,795.00	7,944.86	238.08	181.61	-92.55	-1,963.53	-8,538.15	2,605.49	2,206.44	399.05	6.529		
16,400.00	7,875.00	15,795.00	7,944.86	240.76	181.61	-92.55	-1,963.53	-8,538.15	2,634.38	2,237.71	396.68	6.641		
16,500.00	7,875.00	15,795.00	7,944.86	243.43	181.61	-92.55	-1,963.53	-8,538.15	2,666.72	2,272.85	393.86	6.771		
16,600.00	7,875.00	15,795.00	7,944.86	246.11	181.61	-92.55	-1,963.53	-8,538.15	2,702.36	2,311.71	390.65	6.918		
16,700.00	7,875.00	15,795.00	7,944.86	248.78	181.61	-92.55	-1,963.53	-8,538.15	2,741.20	2,354.11	387.08	7.082		
16,800.00	7,875.00	15,795.00	7,944.86	251.46	181.61	-92.55	-1,963.53	-8,538.15	2,783.09	2,399.87	383.21	7.263		
16,900.00	7,875.00	15,795.00	7,944.86	254.14	181.61	-92.55	-1,963.53	-8,538.15	2,827.89	2,448.82	379.07	7.460		
17,000.00	7,875.00	15,795.00	7,944.86	256.82	181.61	-92.55	-1,963.53	-8,538.15	2,875.47	2,500.76	374.72	7.674		
17,100.00	7,875.00	15,795.00	7,944.86	259.50	181.61	-92.55	-1,963.53	-8,538.15	2,925.71	2,555.53	370.18	7.904		
17,200.00	7,875.00	15,795.00	7,944.86	262.17	181.61	-92.55	-1,963.53	-8,538.15	2,978.45	2,612.95	365.50	8.149		
17,300.00	7,875.00	15,795.00	7,944.86	264.85	181.61	-92.55	-1,963.53	-8,538.15	3,033.57	2,672.86	360.71	8.410		
17,400.00	7,875.00	15,795.00	7,944.86	267.53	181.61	-92.55	-1,963.53	-8,538.15	3,090.94	2,735.10	355.84	8.686		
17,500.00	7,875.00	15,795.00	7,944.86	270.21	181.61	-92.55	-1,963.53	-8,538.15	3,150.45	2,799.52	350.93	8.977		
17,600.00	7,875.00	15,795.00	7,944.86	272.89	181.61	-92.55	-1,963.53	-8,538.15	3,211.97	2,865.97	345.99	9.283		
17,700.00	7,875.00	15,795.00	7,944.86	275.57	181.61	-92.55	-1,963.53	-8,538.15	3,275.38	2,934.33	341.06	9.604		
17,800.00	7,875.00	15,795.00	7,944.86	278.25	181.61	-92.55	-1,963.53	-8,538.15	3,340.59	3,004.45	336.14	9.938		
17,900.00	7,875.00	15,795.00	7,944.86	280.93	181.61	-92.55	-1,963.53	-8,538.15	3,407.48	3,076.22	331.26	10.287		
18,000.00	7,875.00	15,795.00	7,944.86	283.61	181.61	-92.55	-1,963.53	-8,538.15	3,475.96	3,149.54	326.42	10.649		
18,100.00	7,875.00	15,795.00	7,944.86	286.29	181.61	-92.55	-1,963.53	-8,538.15	3,545.94	3,224.29	321.65	11.024		
18,200.00	7,875.00	15,795.00	7,944.86	288.97	181.61	-92.55	-1,963.53	-8,538.15	3,617.33	3,300.38	316.95	11.413		
18,300.00	7,875.00	15,795.00	7,944.86	291.65	181.61	-92.55	-1,963.53	-8,538.15	3,690.05	3,377.72	312.33	11.815		
18,400.00	7,875.00	15,795.00	7,944.86	294.33	181.61	-92.55	-1,963.53	-8,538.15	3,764.03	3,456.23	307.80	12.229		
18,500.00	7,875.00	15,795.00	7,944.86	297.01	181.61	-92.55	-1,963.53	-8,538.15	3,839.18	3,535.83	303.35	12.656		
18,600.00	7,875.00	15,795.00	7,944.86	299.69	181.61	-92.55	-1,963.53	-8,538.15	3,915.44	3,616.44	299.01	13.095		
18,700.00	7,875.00	15,795.00	7,944.86	302.38	181.61	-92.55	-1,963.53	-8,538.15	3,992.75	3,698.00	294.76	13.546		
18,800.00	7,875.00	15,795.00	7,944.86	305.06	181.61	-92.55	-1,963.53	-8,538.15	4,071.05	3,780.44	290.61	14.009		
18,900.00	7,875.00	15,795.00	7,944.86	307.74	181.61	-92.55	-1,963.53	-8,538.15	4,150.29	3,863.72	286.56	14.483		
19,000.00	7,875.00	15,795.00	7,944.86	310.42	181.61	-92.55	-1,963.53	-8,538.15	4,230.40	3,947.78	282.62	14.969		
19,100.00	7,875.00	15,795.00	7,944.86	313.10	181.61	-92.55	-1,963.53	-8,538.15	4,311.34	4,032.57	278.77	15.465		
19,200.00	7,875.00	15,795.00	7,944.86	315.79	181.61	-92.55	-1,963.53	-8,538.15	4,393.07	4,118.04	275.03	15.973		
19,300.00	7,875.00	15,795.00	7,944.86	318.47	181.61	-92.55	-1,963.53	-8,538.15	4,475.54	4,204.15	271.39	16.491		
19,400.00	7,875.00	15,795.00	7,944.86	321.15	181.61	-92.55	-1,963.53	-8,538.15	4,558.71	4,290.86	267.85	17.020		
19,500.00	7,875.00	15,795.00	7,944.86	323.83	181.61	-92.55	-1,963.53	-8,538.15	4,642.55	4,378.15	264.40	17.559		
19,600.00	7,875.00	15,795.00	7,944.86	326.52	181.61	-92.55	-1,963.53	-8,538.15	4,727.01	4,465.96	261.05	18.107		
19,700.00	7,875.00	15,795.00	7,944.86	329.20	181.61	-92.55	-1,963.53	-8,538.15	4,812.07	4,554.27	257.80	18.666		
19,800.00	7,875.00	15,795.00	7,944.86	331.88	181.61	-92.55	-1,963.53	-8,538.15	4,897.70	4,643.06	254.63	19.234		
19,900.00	7,875.00	15,795.00	7,944.86	334.57	181.61	-92.55	-1,963.53	-8,538.15	4,983.86	4,732.30	251.56	19.812		
20,000.00	7,875.00	15,795.00	7,944.86	337.25	181.61	-92.55	-1,963.53	-8,538.15	5,070.53	4,821.95	248.57	20.399		
20,100.00	7,875.00	15,795.00	7,944.86	339.93	181.61	-92.55	-1,963.53	-8,538.15	5,157.68	4,912.01	245.67	20.994		
20,200.00	7,875.00	15,795.00	7,944.86	342.62	181.61	-92.55	-1,963.53	-8,538.15	5,245.29	5,002.43	242.85	21.599		
20,300.00	7,875.00	15,795.00	7,944.86	345.30	181.61	-92.55	-1,963.53	-8,538.15	5,333.33	5,093.22	240.11	22.212		
20,400.00	7,875.00	15,795.00	7,944.86	347.99	181.61	-92.55	-1,963.53	-8,538.15	5,421.79	5,184.34	237.45	22.833		
20,500.00	7,875.00	15,795.00	7,944.86	350.67	181.61	-92.55	-1,963.53	-8,538.15	5,510.65	5,275.78	234.87	23.463		
20,600.00	7,875.00	15,795.00	7,944.86	353.35	181.61	-92.55	-1,963.53	-8,538.15	5,599.88	5,367.52	232.35	24.101		
20,700.00	7,875.00	15,795.00	7,944.86	356.04	181.61	-92.55	-1,963.53	-8,538.15	5,689.46	5,459.55	229.91	24.746		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												SEC 21-T4S-R65W - EXIST HZ GRANDE 4-65 20-19 3AH - STK - FINAL STK		Offset Site Error:		0.00 usft	
Survey Program:												2258-MWD OWSG, 10621-MWD OWSG		Offset Well Error:		0.00 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)	Minimum Separation (usft)	Separation Factor					
20,800.00	7,875.00	15,795.00	7,944.86	358.72	181.61	-92.55	-1,963.53	-8,538.15	5,779.39	5,551.85	227.54	25.399					
20,900.00	7,875.00	15,795.00	7,944.86	361.41	181.61	-92.55	-1,963.53	-8,538.15	5,869.65	5,644.41	225.24	26.060					
21,000.00	7,875.00	15,795.00	7,944.86	364.09	181.61	-92.55	-1,963.53	-8,538.15	5,960.22	5,737.22	223.00	26.728					
21,100.00	7,875.00	15,795.00	7,944.86	366.78	181.61	-92.55	-1,963.53	-8,538.15	6,051.08	5,830.26	220.82	27.403					
21,200.00	7,875.00	15,795.00	7,944.86	369.46	181.61	-92.55	-1,963.53	-8,538.15	6,142.23	5,923.53	218.70	28.085					
21,300.00	7,875.00	15,795.00	7,944.86	372.15	181.61	-92.55	-1,963.53	-8,538.15	6,233.65	6,017.00	216.65	28.774					
21,400.00	7,875.00	15,795.00	7,944.86	374.83	181.61	-92.55	-1,963.53	-8,538.15	6,325.33	6,110.68	214.64	29.469					
21,500.00	7,875.00	15,795.00	7,944.86	377.52	181.61	-92.55	-1,963.53	-8,538.15	6,417.26	6,204.56	212.70	30.171					
21,600.00	7,875.00	15,795.00	7,944.86	380.20	181.61	-92.55	-1,963.53	-8,538.15	6,509.42	6,298.62	210.81	30.879					
21,700.00	7,875.00	15,795.00	7,944.86	382.89	181.61	-92.55	-1,963.53	-8,538.15	6,601.82	6,392.85	208.96	31.593					
21,800.00	7,875.00	15,795.00	7,944.86	385.57	181.61	-92.55	-1,963.53	-8,538.15	6,694.43	6,487.25	207.17	32.313					
21,900.00	7,875.00	15,795.00	7,944.86	388.26	181.61	-92.55	-1,963.53	-8,538.15	6,787.25	6,581.82	205.43	33.039					
22,000.00	7,875.00	15,795.00	7,944.86	390.94	181.61	-92.55	-1,963.53	-8,538.15	6,880.27	6,676.54	203.73	33.771					
22,100.00	7,875.00	15,795.00	7,944.86	393.63	181.61	-92.55	-1,963.53	-8,538.15	6,973.49	6,771.41	202.08	34.508					
22,200.00	7,875.00	15,795.00	7,944.86	396.31	181.61	-92.55	-1,963.53	-8,538.15	7,066.89	6,866.41	200.48	35.251					
22,300.00	7,875.00	15,795.00	7,944.86	399.00	181.61	-92.55	-1,963.53	-8,538.15	7,160.47	6,961.56	198.91	35.998					
22,400.00	7,875.00	15,795.00	7,944.86	401.69	181.61	-92.55	-1,963.53	-8,538.15	7,254.22	7,056.83	197.39	36.751					
22,500.00	7,875.00	15,795.00	7,944.86	404.37	181.61	-92.55	-1,963.53	-8,538.15	7,348.14	7,152.23	195.90	37.509					
22,600.00	7,875.00	15,795.00	7,944.86	407.06	181.61	-92.55	-1,963.53	-8,538.15	7,442.21	7,247.75	194.46	38.271					
22,700.00	7,875.00	15,795.00	7,944.86	409.74	181.61	-92.55	-1,963.53	-8,538.15	7,536.44	7,343.39	193.05	39.039					
22,800.00	7,875.00	15,795.00	7,944.86	412.43	181.61	-92.55	-1,963.53	-8,538.15	7,630.81	7,439.13	191.68	39.810					
22,900.00	7,875.00	15,795.00	7,944.86	415.12	181.61	-92.55	-1,963.53	-8,538.15	7,725.33	7,534.99	190.34	40.587					
23,000.00	7,875.00	15,795.00	7,944.86	417.80	181.61	-92.55	-1,963.53	-8,538.15	7,819.98	7,630.94	189.04	41.367					
23,100.00	7,875.00	15,795.00	7,944.86	420.49	181.61	-92.55	-1,963.53	-8,538.15	7,914.76	7,727.00	187.77	42.151					
23,200.00	7,875.00	15,795.00	7,944.86	423.18	181.61	-92.55	-1,963.53	-8,538.15	8,009.68	7,823.14	186.53	42.940					
23,258.24	7,875.00	15,795.00	7,944.86	424.74	181.61	-92.55	-1,963.53	-8,538.15	8,065.01	7,879.18	185.82	43.401					

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ SUNSET 4-65 21-22 1AH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 30-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	4.87	4.87	0.00	0.00	141.67	-78.32	61.91	99.84					
29.48	29.48	33.68	33.68	0.02	0.03	-45.48	-78.49	61.96	99.93	99.89	0.04	2,479.901		
60.08	60.08	64.96	64.96	0.12	0.14	-33.66	-78.60	62.05	99.96	99.71	0.25	392.062		
61.67	61.67	66.56	66.56	0.13	0.14	-31.61	-78.60	62.06	99.96	99.69	0.27	375.687		
121.28	121.28	125.93	125.93	0.33	0.35	137.22	-78.73	62.04	100.30	99.62	0.68	147.223		
151.88	151.88	156.41	156.40	0.44	0.46	51.72	-79.00	61.90	100.43	99.54	0.90	112.141		
164.50	164.50	168.93	168.93	0.48	0.50	47.65	-79.14	61.83	100.40	99.42	0.98	101.986		
182.48	182.47	186.82	186.81	0.55	0.57	-65.06	-79.34	61.76	100.46	99.35	1.11	90.391		
213.08	213.07	217.58	217.57	0.65	0.68	-53.27	-79.74	61.55	100.59	99.26	1.33	75.681		
243.68	243.67	248.46	248.45	0.76	0.79	-98.06	-80.12	61.23	100.66	99.11	1.55	65.063		
286.38	286.37	291.04	291.02	0.91	0.94	-55.83	-80.64	60.77	100.71	98.86	1.85	54.428		
329.08	329.07	334.03	334.00	1.06	1.09	-66.28	-81.21	60.19	100.60	98.44	2.16	46.649		
371.78	371.77	377.39	377.35	1.22	1.25	-89.18	-81.81	59.19	100.36	97.90	2.46	40.733		
386.26	386.24	391.81	391.76	1.27	1.30	-134.95	-82.02	58.77	100.32	97.75	2.57	39.098		
414.48	414.46	419.86	419.86	1.36	1.40	162.27	-82.49	57.92	100.48	97.71	2.76	36.341		
457.18	457.15	462.42	462.33	1.51	1.56	147.61	-83.28	56.60	101.37	98.31	3.06	33.075		
499.88	499.81	504.80	504.68	1.66	1.71	139.86	-84.20	55.21	102.86	99.50	3.37	30.557		
542.58	542.45	547.16	546.99	1.81	1.86	140.90	-85.28	53.70	104.74	101.07	3.67	28.549		
585.28	585.08	588.97	588.76	1.96	2.01	143.89	-86.55	52.27	107.07	103.10	3.97	26.965		
627.98	627.70	632.40	632.13	2.11	2.17	146.69	-87.87	50.64	109.47	105.19	4.28	25.589		
670.68	670.32	674.57	674.25	2.26	2.33	149.82	-89.17	48.82	112.15	107.56	4.58	24.468		
713.38	712.90	717.58	717.19	2.41	2.49	156.44	-90.44	46.88	115.31	110.42	4.89	23.569		
756.08	755.45	760.84	760.42	2.57	2.64	156.48	-91.26	45.35	118.78	113.57	5.20	22.835		
798.78	797.96	804.55	804.11	2.73	2.80	161.22	-91.46	44.19	122.30	116.79	5.51	22.198		
841.48	840.50	846.20	845.75	2.88	2.95	168.77	-91.57	43.26	125.55	119.74	5.81	21.611		
884.18	883.12	888.18	887.73	3.04	3.10	171.52	-91.90	42.46	128.26	122.15	6.11	20.993		
926.88	925.77	931.12	930.65	3.19	3.25	172.60	-92.29	41.61	130.36	123.94	6.41	20.324		
969.58	968.44	974.35	973.87	3.34	3.41	169.90	-92.53	40.76	131.79	125.07	6.72	19.612		
1,012.28	1,011.13	1,017.14	1,016.67	3.50	3.56	169.14	-92.53	40.32	132.59	125.57	7.02	18.885		
1,054.98	1,053.83	1,060.18	1,059.70	3.65	3.70	179.59	-92.27	40.37	132.83	125.51	7.32	18.153		
1,097.68	1,096.53	1,102.36	1,101.88	3.80	3.84	-98.87	-91.95	40.76	132.84	125.23	7.60	17.469		
1,140.38	1,139.23	1,145.56	1,145.08	3.94	3.98	-48.16	-91.66	41.12	132.55	124.66	7.89	16.793		
1,183.08	1,181.92	1,189.92	1,189.43	4.09	4.13	-65.16	-91.15	40.82	131.80	123.61	8.19	16.091		
1,225.78	1,224.62	1,233.26	1,232.76	4.23	4.28	-76.33	-90.47	39.85	130.72	122.23	8.49	15.397		
1,268.48	1,267.32	1,275.61	1,275.08	4.38	4.43	-41.29	-89.93	38.61	129.51	120.72	8.79	14.739		
1,311.18	1,310.01	1,319.58	1,319.02	4.53	4.59	-40.14	-89.21	37.01	127.82	118.73	9.09	14.062		
1,353.88	1,352.71	1,362.73	1,362.11	4.67	4.74	-42.58	-88.36	35.01	125.82	116.43	9.39	13.399		
1,396.58	1,395.40	1,405.91	1,405.21	4.82	4.90	-43.67	-87.47	32.51	123.62	113.93	9.69	12.755		
1,439.28	1,438.09	1,449.56	1,448.73	4.96	5.06	-38.71	-86.51	29.37	121.17	111.17	10.00	12.122		
1,481.98	1,480.78	1,494.18	1,493.14	5.11	5.22	-41.28	-85.06	25.31	118.04	107.73	10.30	11.458		
1,524.68	1,523.46	1,537.50	1,536.21	5.26	5.38	-41.14	-83.19	20.97	114.35	103.74	10.61	10.781		
1,567.38	1,566.14	1,580.29	1,578.72	5.41	5.54	-39.42	-81.21	16.51	110.50	99.59	10.91	10.127		
1,610.08	1,608.83	1,623.11	1,621.21	5.56	5.70	-25.03	-79.09	11.65	106.64	95.42	11.22	9.505		
1,652.78	1,651.52	1,665.82	1,663.51	5.70	5.86	2.26	-77.00	6.19	103.16	91.64	11.53	8.948		
1,695.48	1,694.22	1,709.17	1,706.32	5.85	6.03	11.16	-74.48	-0.19	99.64	87.80	11.84	8.415		
1,738.18	1,736.92	1,751.19	1,747.75	6.00	6.19	28.36	-71.85	-6.66	96.27	84.12	12.16	7.919		
1,780.88	1,779.61	1,793.05	1,789.00	6.15	6.36	29.02	-69.34	-13.33	93.53	81.05	12.48	7.496		
1,823.58	1,822.31	1,835.46	1,830.75	6.30	6.53	26.19	-66.62	-20.33	91.20	78.40	12.80	7.126		
1,866.28	1,865.00	1,877.08	1,871.54	6.45	6.70	27.24	-63.75	-28.03	89.37	76.25	13.12	6.812		
1,908.98	1,907.69	1,918.26	1,911.82	6.59	6.87	36.12	-60.96	-36.14	88.53	75.09	13.44	6.588		
1,916.90	1,915.62	1,925.88	1,919.27	6.62	6.91	37.41	-60.47	-37.64	88.51	75.01	13.50	6.558 CC, ES		
1,951.68	1,950.39	1,959.52	1,952.19	6.74	7.05	42.98	-58.44	-44.26	88.91	75.16	13.75	6.467		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ SUNSET 4-65 21-22 1AH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 30-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
1,994.38	1,993.08	2,001.47	1,993.19	6.89	7.23	48.57	-55.74	-52.72	90.18	76.13	14.06	6.416		
2,037.08	2,035.77	2,043.31	2,034.10	7.04	7.41	52.21	-52.98	-61.06	92.30	77.94	14.36	6.429		
2,079.78	2,078.46	2,085.35	2,075.28	7.19	7.60	63.97	-50.37	-69.07	95.20	80.55	14.65	6.497		
2,122.48	2,121.15	2,127.53	2,116.71	7.34	7.78	64.61	-47.95	-76.65	98.70	83.75	14.95	6.602		
2,165.18	2,163.84	2,169.17	2,157.64	7.49	7.96	67.16	-45.74	-83.98	102.76	87.53	15.24	6.745		
2,200.00	2,198.65	2,203.67	2,191.57	7.55	8.11	70.21	-43.99	-89.96	106.42	91.00	15.41	6.904		
2,220.18	2,218.83	2,223.70	2,211.29	7.55	8.20	71.84	-43.01	-93.35	108.61	93.13	15.48	7.014		
2,300.00	2,298.64	2,303.35	2,289.81	7.56	8.54	-27.89	-39.42	-106.21	117.22	101.44	15.78	7.430		
2,400.00	2,398.59	2,402.06	2,387.28	7.59	8.96	-51.63	-35.24	-121.25	127.00	110.84	16.15	7.861		
2,500.00	2,498.36	2,500.83	2,484.45	7.64	9.40	-53.81	-29.21	-137.84	136.39	119.83	16.56	8.237		
2,600.00	2,597.86	2,597.44	2,579.08	7.71	9.84	-53.77	-22.12	-155.97	145.80	128.84	16.96	8.597		
2,700.00	2,696.94	2,696.60	2,675.96	7.79	10.30	-53.84	-14.60	-175.74	154.58	137.15	17.43	8.868		
2,730.19	2,726.76	2,726.73	2,705.40	7.83	10.45	-54.01	-12.37	-181.76	156.91	139.32	17.59	8.922		
2,800.00	2,795.64	2,797.58	2,774.66	7.91	10.78	-54.07	-7.19	-195.73	161.93	143.96	17.97	9.011		
2,900.00	2,894.31	2,897.15	2,872.09	8.05	11.25	-54.12	0.32	-214.86	168.56	150.05	18.51	9.106		
3,000.00	2,992.99	2,997.58	2,970.34	8.22	11.73	-54.18	7.86	-234.23	175.27	156.19	19.09	9.184		
3,100.00	3,091.66	3,096.62	3,067.32	8.40	12.20	-54.29	15.19	-252.99	181.69	162.03	19.66	9.240		
3,200.00	3,190.34	3,198.08	3,166.61	8.61	12.68	-54.35	22.83	-272.37	188.23	167.94	20.29	9.278		
3,300.00	3,289.01	3,298.76	3,265.40	8.83	13.16	-54.62	30.04	-290.38	193.69	172.77	20.92	9.257		
3,400.00	3,387.69	3,398.53	3,363.30	9.07	13.62	-54.91	37.06	-308.28	199.26	177.69	21.57	9.240		
3,500.00	3,486.36	3,498.42	3,461.33	9.33	14.10	-55.15	44.19	-326.16	204.75	182.53	22.22	9.213		
3,600.00	3,585.03	3,598.27	3,559.28	9.60	14.57	-55.36	51.39	-344.07	210.27	187.37	22.90	9.183		
3,700.00	3,683.71	3,698.01	3,657.17	9.88	15.04	-55.60	58.47	-361.89	215.75	192.16	23.58	9.149		
3,800.00	3,782.38	3,798.78	3,756.03	10.18	15.52	-55.77	65.82	-379.94	221.22	196.93	24.29	9.108		
3,900.00	3,881.06	3,897.36	3,852.79	10.48	15.98	-55.94	73.09	-397.36	226.43	201.44	24.99	9.062		
4,000.00	3,979.73	3,995.41	3,948.93	10.80	16.45	-56.17	79.73	-415.41	232.55	206.86	25.69	9.052		
4,100.00	4,078.41	4,096.44	4,048.01	11.13	16.94	-56.45	86.30	-434.08	238.83	212.39	26.44	9.034		
4,200.00	4,177.08	4,194.89	4,144.54	11.46	17.41	-56.70	92.74	-452.30	245.13	217.96	27.17	9.023		
4,300.00	4,275.76	4,295.83	4,243.62	11.80	17.89	-57.11	98.69	-470.64	251.34	223.40	27.94	8.997		
4,400.00	4,374.43	4,395.67	4,341.63	12.15	18.37	-57.49	104.59	-488.75	257.51	228.81	28.70	8.972		
4,500.00	4,473.10	4,494.75	4,438.97	12.51	18.84	-57.94	110.21	-506.35	263.45	233.98	29.47	8.940		
4,600.00	4,571.78	4,594.95	4,537.25	12.87	19.32	-58.27	116.03	-524.98	270.12	239.87	30.25	8.929		
4,700.00	4,670.45	4,694.35	4,634.90	13.23	19.80	-58.68	121.65	-542.66	276.10	245.06	31.04	8.896		
4,800.00	4,769.13	4,792.22	4,730.90	13.60	20.27	-58.99	127.26	-560.89	282.85	251.04	31.81	8.892		
4,900.00	4,867.80	4,894.98	4,831.66	13.98	20.76	-59.23	133.50	-580.06	289.51	256.87	32.63	8.871		
5,000.00	4,966.48	4,995.84	4,930.68	14.36	21.25	-59.44	140.04	-598.06	295.26	261.82	33.44	8.829		
5,100.00	5,065.15	5,092.83	5,025.79	14.75	21.72	-59.56	146.56	-615.96	301.47	267.26	34.22	8.811		
5,200.00	5,163.82	5,192.32	5,123.28	15.13	22.20	-59.66	153.11	-634.68	308.10	273.08	35.02	8.798		
5,300.00	5,262.50	5,291.75	5,220.60	15.52	22.69	-59.65	160.13	-653.79	314.91	279.09	35.82	8.792		
5,400.00	5,361.17	5,392.68	5,319.51	15.92	23.19	-59.78	166.64	-672.79	321.58	284.94	36.64	8.777		
5,500.00	5,459.85	5,491.40	5,416.26	16.32	23.67	-59.85	173.33	-691.26	328.02	290.58	37.44	8.760		
5,600.00	5,558.52	5,590.15	5,512.89	16.71	24.16	-59.85	180.15	-710.40	335.04	296.79	38.25	8.760		
5,700.00	5,657.20	5,688.68	5,609.32	17.12	24.65	-59.90	186.63	-729.58	342.27	303.22	39.05	8.764		
5,800.00	5,755.87	5,790.35	5,708.84	17.52	25.15	-59.97	193.20	-749.30	349.48	309.59	39.90	8.760		
5,900.00	5,854.54	5,888.41	5,804.84	17.93	25.64	-60.04	199.44	-768.30	356.70	315.99	40.71	8.763		
6,000.00	5,953.22	5,991.86	5,906.26	18.34	26.14	-60.20	205.79	-787.67	363.42	321.84	41.57	8.742		
6,100.00	6,051.89	6,091.55	6,004.07	18.75	26.63	-60.38	211.86	-805.93	369.77	327.36	42.41	8.720		
6,200.00	6,150.57	6,193.40	6,103.96	19.16	27.12	-60.50	218.41	-824.72	376.12	332.86	43.26	8.695		
6,300.00	6,249.24	6,296.05	6,204.72	19.57	27.62	-60.55	225.88	-842.85	381.39	337.28	44.11	8.646		
6,400.00	6,347.92	6,392.98	6,299.86	19.99	28.08	-60.60	232.91	-860.02	386.74	341.82	44.92	8.609		
6,500.00	6,446.59	6,490.37	6,395.41	20.41	28.56	-60.74	238.97	-877.88	393.06	347.31	45.74	8.592		
6,600.00	6,545.26	6,598.26	6,501.28	20.82	29.08	-60.79	246.64	-897.15	398.60	351.96	46.64	8.546		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ SUNSET 4-65 21-22 1AH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 30-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
6,700.00	6,643.94	6,690.66	6,591.93	21.24	29.52	-60.82	253.27	-913.80	404.23	356.81	47.42	8.524		
6,800.00	6,742.61	6,793.73	6,693.16	21.66	30.02	-61.01	259.62	-932.08	410.04	361.73	48.30	8.489		
6,900.00	6,841.29	6,894.15	6,791.91	22.09	30.49	-61.25	265.45	-949.37	415.52	366.35	49.16	8.452		
7,000.00	6,939.96	6,995.52	6,891.65	22.51	30.97	-61.52	271.33	-966.49	420.70	370.67	50.03	8.409		
7,100.00	7,038.64	7,094.82	6,989.42	22.93	31.43	-61.81	276.92	-982.96	425.69	374.80	50.89	8.364		
7,200.00	7,137.31	7,197.13	7,090.00	23.36	31.92	-61.96	283.67	-1,000.42	430.72	378.96	51.77	8.321		
7,300.00	7,235.99	7,401.31	7,292.42	23.78	32.65	-63.24	301.11	-1,010.18	424.41	372.30	52.11	8.145		
7,400.00	7,334.66	7,561.57	7,448.86	24.21	32.89	-67.56	310.82	-977.87	396.10	344.54	51.56	7.682		
7,444.84	7,378.91	7,651.40	7,532.97	24.40	32.97	-71.48	316.61	-947.10	378.70	328.47	50.22	7.540		
7,450.00	7,383.99	7,661.64	7,542.26	24.42	32.97	-70.36	317.41	-942.85	376.35	326.31	50.03	7.522		
7,500.00	7,432.91	7,748.86	7,617.73	24.66	33.01	-67.57	323.73	-899.77	349.19	300.74	48.45	7.207		
7,550.00	7,480.84	7,797.96	7,657.05	24.93	33.02	-71.26	326.39	-870.51	317.48	268.70	48.78	6.508		
7,600.00	7,527.44	7,832.81	7,683.52	25.23	33.02	-78.11	327.61	-847.88	284.77	234.67	50.10	5.684		
7,650.00	7,572.35	7,858.94	7,702.53	25.57	33.03	-85.84	328.29	-829.97	253.52	201.37	52.15	4.862		
7,700.00	7,615.21	7,875.70	7,714.35	25.94	33.04	-91.94	328.80	-818.11	226.45	171.65	54.80	4.132		
7,750.00	7,655.72	7,884.61	7,720.52	26.35	33.04	-95.45	329.10	-811.69	206.81	149.46	57.35	3.606		
7,800.00	7,693.55	7,887.42	7,722.45	26.80	33.04	-96.33	329.19	-809.65	197.68	139.07	58.60	3.373		
7,812.46	7,702.53	7,887.33	7,722.38	26.92	33.04	-96.16	329.19	-809.71	197.29	138.69	58.60	3.367 SF		
7,850.00	7,728.43	7,885.43	7,721.08	27.29	33.04	-94.77	329.13	-811.09	200.78	143.05	57.73	3.478		
7,900.00	7,760.08	7,879.63	7,717.09	27.82	33.04	-91.04	328.93	-815.29	215.46	160.34	55.12	3.909		
7,950.00	7,788.27	7,870.78	7,710.92	28.40	33.04	-85.47	328.65	-821.62	239.22	187.30	51.92	4.608		
8,000.00	7,812.78	7,859.46	7,702.90	29.02	33.03	-78.52	328.31	-829.61	269.17	220.15	49.02	5.491		
8,050.00	7,833.42	7,846.11	7,693.28	29.69	33.03	-70.79	327.94	-838.86	302.90	256.15	46.76	6.478		
8,100.00	7,850.04	7,838.00	7,687.35	30.41	33.02	-64.31	327.74	-844.38	338.80	293.35	45.46	7.453		
8,150.00	7,862.51	7,817.43	7,671.99	31.16	33.02	-56.05	327.14	-858.06	375.52	331.30	44.22	8.492		
8,200.00	7,870.73	7,801.90	7,660.10	31.94	33.02	-49.74	326.56	-868.03	412.52	368.84	43.68	9.445		
8,250.00	7,874.65	7,785.47	7,647.26	32.75	33.01	-44.31	325.82	-878.25	449.13	405.68	43.45	10.336		
8,270.17	7,875.00	7,778.62	7,641.83	33.09	33.01	-42.38	325.47	-882.41	463.70	420.27	43.43	10.677		
8,300.00	7,875.00	7,768.63	7,633.83	33.59	33.01	-41.51	324.93	-888.37	485.39	441.95	43.45	11.172		
8,400.00	7,875.00	7,749.00	7,617.84	35.34	33.01	-39.89	323.74	-899.69	561.65	517.55	44.11	12.734		
8,500.00	7,875.00	7,713.04	7,587.58	37.22	32.99	-37.15	321.28	-918.95	641.73	597.55	44.18	14.525		
8,600.00	7,875.00	7,691.16	7,568.56	39.18	32.99	-35.62	319.68	-929.66	725.27	680.58	44.69	16.229		
8,700.00	7,875.00	7,660.00	7,540.78	41.23	32.97	-33.62	317.28	-943.54	811.57	766.69	44.88	18.083		
8,800.00	7,875.00	7,660.00	7,540.78	43.36	32.97	-33.62	317.28	-943.54	899.46	853.69	45.77	19.653		
8,900.00	7,875.00	7,660.00	7,540.78	45.54	32.97	-33.62	317.28	-943.54	989.65	943.17	46.49	21.289		
9,000.00	7,875.00	7,622.99	7,506.87	47.77	32.94	-31.46	314.54	-958.09	1,079.93	1,033.54	46.39	23.278		
9,100.00	7,875.00	7,609.57	7,494.36	50.06	32.93	-30.72	313.64	-962.88	1,171.85	1,125.13	46.72	25.081		
9,200.00	7,875.00	7,597.51	7,483.03	52.38	32.92	-30.08	312.87	-966.96	1,264.65	1,217.62	47.02	26.893		
9,300.00	7,875.00	7,571.00	7,457.88	54.73	32.90	-28.74	311.33	-975.17	1,358.46	1,311.39	47.07	28.859		
9,400.00	7,875.00	7,571.00	7,457.88	57.12	32.90	-28.74	311.33	-975.17	1,452.40	1,404.92	47.48	30.590		
9,500.00	7,875.00	7,571.00	7,457.88	59.53	32.90	-28.74	311.33	-975.17	1,547.10	1,499.27	47.83	32.344		
9,600.00	7,875.00	7,571.00	7,457.88	61.96	32.90	-28.74	311.33	-975.17	1,642.43	1,594.29	48.14	34.115		
9,700.00	7,875.00	7,544.51	7,432.48	64.42	32.86	-27.50	309.87	-982.55	1,737.76	1,689.64	48.12	36.113		
9,800.00	7,875.00	7,534.58	7,422.92	66.89	32.85	-27.06	309.31	-985.16	1,833.61	1,785.34	48.28	37.981		
9,900.00	7,875.00	7,525.29	7,413.94	69.38	32.84	-26.66	308.77	-987.52	1,929.76	1,881.33	48.43	39.849		
10,000.00	7,875.00	7,516.57	7,405.51	71.89	32.83	-26.30	308.27	-989.66	2,026.16	1,977.59	48.57	41.717		
10,100.00	7,875.00	7,482.00	7,371.90	74.41	32.79	-24.97	306.20	-997.49	2,123.29	2,074.83	48.46	43.816		
10,200.00	7,875.00	7,482.00	7,371.90	76.94	32.79	-24.97	306.20	-997.49	2,219.90	2,171.23	48.67	45.613		
10,300.00	7,875.00	7,482.00	7,371.90	79.48	32.79	-24.97	306.20	-997.49	2,316.79	2,267.93	48.86	47.415		
10,400.00	7,875.00	7,482.00	7,371.90	82.03	32.79	-24.97	306.20	-997.49	2,413.94	2,364.90	49.04	49.223		
10,500.00	7,875.00	7,482.00	7,371.90	84.59	32.79	-24.97	306.20	-997.49	2,511.32	2,462.11	49.21	51.034		
10,600.00	7,875.00	7,482.00	7,371.90	87.16	32.79	-24.97	306.20	-997.49	2,608.89	2,559.53	49.37	52.848		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ SUNSET 4-65 21-22 1AH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 30-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
10,700.00	7,875.00	7,482.00	7,371.90	89.73	32.79	-24.97	306.20	-997.49	2,706.64	2,657.13	49.51	54.663		
10,800.00	7,875.00	7,482.00	7,371.90	92.31	32.79	-24.97	306.20	-997.49	2,804.55	2,754.89	49.66	56.480		
10,900.00	7,875.00	7,482.00	7,371.90	94.90	32.79	-24.97	306.20	-997.49	2,902.60	2,852.81	49.79	58.297		
11,000.00	7,875.00	7,482.00	7,371.90	97.49	32.79	-24.97	306.20	-997.49	3,000.78	2,950.86	49.92	60.114		
11,100.00	7,875.00	7,482.00	7,371.90	100.09	32.79	-24.97	306.20	-997.49	3,099.08	3,049.04	50.04	61.930		
11,200.00	7,875.00	7,482.00	7,371.90	102.69	32.79	-24.97	306.20	-997.49	3,197.48	3,147.32	50.16	63.745		
11,300.00	7,875.00	7,482.00	7,371.90	105.30	32.79	-24.97	306.20	-997.49	3,295.98	3,245.70	50.28	65.558		
11,400.00	7,875.00	7,482.00	7,371.90	107.91	32.79	-24.97	306.20	-997.49	3,394.56	3,344.18	50.39	67.370		
11,500.00	7,875.00	7,443.98	7,334.63	110.53	32.72	-23.66	303.85	-1,004.55	3,492.05	3,441.78	50.26	69.476		
11,600.00	7,875.00	7,441.24	7,331.93	113.15	32.71	-23.57	303.68	-1,004.99	3,590.62	3,540.26	50.36	71.303		
11,700.00	7,875.00	7,438.63	7,329.35	115.77	32.71	-23.49	303.51	-1,005.39	3,689.25	3,638.80	50.45	73.127		
11,800.00	7,875.00	7,436.12	7,326.88	118.40	32.70	-23.41	303.35	-1,005.77	3,787.95	3,737.41	50.54	74.946		
11,900.00	7,875.00	7,433.73	7,324.51	121.03	32.70	-23.33	303.20	-1,006.13	3,886.70	3,836.07	50.63	76.762		
12,000.00	7,875.00	7,431.43	7,322.25	123.66	32.69	-23.26	303.06	-1,006.46	3,985.51	3,934.79	50.72	78.574		
12,100.00	7,875.00	7,429.23	7,320.07	126.29	32.69	-23.19	302.92	-1,006.78	4,084.37	4,033.55	50.81	80.381		
12,200.00	7,875.00	7,392.00	7,283.17	128.93	32.62	-22.10	300.52	-1,011.09	4,184.25	4,133.54	50.71	82.506		
12,300.00	7,875.00	7,392.00	7,283.17	131.57	32.62	-22.10	300.52	-1,011.09	4,283.09	4,232.27	50.82	84.286		
12,400.00	7,875.00	7,392.00	7,283.17	134.21	32.62	-22.10	300.52	-1,011.09	4,381.98	4,331.06	50.92	86.061		
12,500.00	7,875.00	7,392.00	7,283.17	136.85	32.62	-22.10	300.52	-1,011.09	4,480.91	4,429.90	51.02	87.832		
12,600.00	7,875.00	7,392.00	7,283.17	139.49	32.62	-22.10	300.52	-1,011.09	4,579.90	4,528.78	51.12	89.600		
12,700.00	7,875.00	7,392.00	7,283.17	142.14	32.62	-22.10	300.52	-1,011.09	4,678.93	4,627.71	51.21	91.362		
12,800.00	7,875.00	7,392.00	7,283.17	144.79	32.62	-22.10	300.52	-1,011.09	4,777.99	4,726.68	51.31	93.121		
12,900.00	7,875.00	7,392.00	7,283.17	147.44	32.62	-22.10	300.52	-1,011.09	4,877.10	4,825.69	51.41	94.874		
13,000.00	7,875.00	7,392.00	7,283.17	150.09	32.62	-22.10	300.52	-1,011.09	4,976.24	4,924.74	51.50	96.623		
13,100.00	7,875.00	7,392.00	7,283.17	152.74	32.62	-22.10	300.52	-1,011.09	5,075.42	5,023.82	51.60	98.366		
13,200.00	7,875.00	7,392.00	7,283.17	155.39	32.62	-22.10	300.52	-1,011.09	5,174.62	5,122.93	51.69	100.105		
13,300.00	7,875.00	7,392.00	7,283.17	158.05	32.62	-22.10	300.52	-1,011.09	5,273.86	5,222.07	51.79	101.838		
13,400.00	7,875.00	7,392.00	7,283.17	160.70	32.62	-22.10	300.52	-1,011.09	5,373.12	5,321.24	51.88	103.566		
13,500.00	7,875.00	7,392.00	7,283.17	163.36	32.62	-22.10	300.52	-1,011.09	5,472.42	5,420.44	51.98	105.289		
13,600.00	7,875.00	7,392.00	7,283.17	166.02	32.62	-22.10	300.52	-1,011.09	5,571.73	5,519.66	52.07	107.006		
13,700.00	7,875.00	7,392.00	7,283.17	168.68	32.62	-22.10	300.52	-1,011.09	5,671.07	5,618.91	52.16	108.717		
13,800.00	7,875.00	7,392.00	7,283.17	171.34	32.62	-22.10	300.52	-1,011.09	5,770.44	5,718.18	52.26	110.423		
13,900.00	7,875.00	7,392.00	7,283.17	174.00	32.62	-22.10	300.52	-1,011.09	5,869.82	5,817.47	52.35	112.123		
14,000.00	7,875.00	7,392.00	7,283.17	176.66	32.62	-22.10	300.52	-1,011.09	5,969.23	5,916.78	52.45	113.817		
14,100.00	7,875.00	7,392.00	7,283.17	179.33	32.62	-22.10	300.52	-1,011.09	6,068.66	6,016.12	52.54	115.506		
14,200.00	7,875.00	7,392.00	7,283.17	181.99	32.62	-22.10	300.52	-1,011.09	6,168.10	6,115.47	52.63	117.188		
14,300.00	7,875.00	7,392.00	7,283.17	184.66	32.62	-22.10	300.52	-1,011.09	6,267.56	6,214.83	52.73	118.864		
14,400.00	7,875.00	7,392.00	7,283.17	187.32	32.62	-22.10	300.52	-1,011.09	6,367.04	6,314.22	52.82	120.534		
14,500.00	7,875.00	7,392.00	7,283.17	189.99	32.62	-22.10	300.52	-1,011.09	6,466.54	6,413.62	52.92	122.198		
14,600.00	7,875.00	7,392.00	7,283.17	192.66	32.62	-22.10	300.52	-1,011.09	6,566.05	6,513.03	53.01	123.856		
14,700.00	7,875.00	7,392.00	7,283.17	195.32	32.62	-22.10	300.52	-1,011.09	6,665.57	6,612.46	53.11	125.508		
14,800.00	7,875.00	7,392.00	7,283.17	197.99	32.62	-22.10	300.52	-1,011.09	6,765.11	6,711.91	53.20	127.153		
14,900.00	7,875.00	7,392.00	7,283.17	200.66	32.62	-22.10	300.52	-1,011.09	6,864.66	6,811.36	53.30	128.792		
15,000.00	7,875.00	7,392.00	7,283.17	203.33	32.62	-22.10	300.52	-1,011.09	6,964.23	6,910.83	53.40	130.424		
15,100.00	7,875.00	7,392.00	7,283.17	206.00	32.62	-22.10	300.52	-1,011.09	7,063.80	7,010.31	53.49	132.050		
15,200.00	7,875.00	7,392.00	7,283.17	208.67	32.62	-22.10	300.52	-1,011.09	7,163.39	7,109.80	53.59	133.670		
15,300.00	7,875.00	7,392.00	7,283.17	211.34	32.62	-22.10	300.52	-1,011.09	7,262.99	7,209.31	53.69	135.283		
15,400.00	7,875.00	7,392.00	7,283.17	214.01	32.62	-22.10	300.52	-1,011.09	7,362.61	7,308.82	53.79	136.889		
15,500.00	7,875.00	7,392.00	7,283.17	216.69	32.62	-22.10	300.52	-1,011.09	7,462.23	7,408.34	53.88	138.489		
15,600.00	7,875.00	7,392.00	7,283.17	219.36	32.62	-22.10	300.52	-1,011.09	7,561.86	7,507.88	53.98	140.083		
15,700.00	7,875.00	7,392.00	7,283.17	222.03	32.62	-22.10	300.52	-1,011.09	7,661.50	7,607.42	54.08	141.669		
15,800.00	7,875.00	7,392.00	7,283.17	224.71	32.62	-22.10	300.52	-1,011.09	7,761.15	7,706.97	54.18	143.249		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ SUNSET 4-65 21-22 1AH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 30-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
15,900.00	7,875.00	7,392.00	7,283.17	227.38	32.62	-22.10	300.52	-1,011.09	7,860.81	7,806.53	54.28	144.823		
16,000.00	7,875.00	7,392.00	7,283.17	230.05	32.62	-22.10	300.52	-1,011.09	7,960.48	7,906.10	54.38	146.390		
16,100.00	7,875.00	7,392.00	7,283.17	232.73	32.62	-22.10	300.52	-1,011.09	8,060.15	8,005.67	54.48	147.950		
16,200.00	7,875.00	7,392.00	7,283.17	235.40	32.62	-22.10	300.52	-1,011.09	8,159.84	8,105.26	54.58	149.503		
16,300.00	7,875.00	7,392.00	7,283.17	238.08	32.62	-22.10	300.52	-1,011.09	8,259.53	8,204.85	54.68	151.050		
16,400.00	7,875.00	7,392.00	7,283.17	240.76	32.62	-22.10	300.52	-1,011.09	8,359.23	8,304.45	54.78	152.590		
16,500.00	7,875.00	7,392.00	7,283.17	243.43	32.62	-22.10	300.52	-1,011.09	8,458.93	8,404.05	54.88	154.123		
16,600.00	7,875.00	7,392.00	7,283.17	246.11	32.62	-22.10	300.52	-1,011.09	8,558.65	8,503.66	54.99	155.649		
16,700.00	7,875.00	7,392.00	7,283.17	248.78	32.62	-22.10	300.52	-1,011.09	8,658.37	8,603.28	55.09	157.169		
16,800.00	7,875.00	7,392.00	7,283.17	251.46	32.62	-22.10	300.52	-1,011.09	8,758.09	8,702.90	55.19	158.682		
16,900.00	7,875.00	7,392.00	7,283.17	254.14	32.62	-22.10	300.52	-1,011.09	8,857.83	8,802.53	55.30	160.188		
17,000.00	7,875.00	7,392.00	7,283.17	256.82	32.62	-22.10	300.52	-1,011.09	8,957.56	8,902.16	55.40	161.687		
17,100.00	7,875.00	7,392.00	7,283.17	259.50	32.62	-22.10	300.52	-1,011.09	9,057.31	9,001.80	55.51	163.179		
17,200.00	7,875.00	7,392.00	7,283.17	262.17	32.62	-22.10	300.52	-1,011.09	9,157.06	9,101.45	55.61	164.665		
17,300.00	7,875.00	7,392.00	7,283.17	264.85	32.62	-22.10	300.52	-1,011.09	9,256.81	9,201.10	55.72	166.144		
17,400.00	7,875.00	7,392.00	7,283.17	267.53	32.62	-22.10	300.52	-1,011.09	9,356.57	9,300.75	55.82	167.616		
17,500.00	7,875.00	7,392.00	7,283.17	270.21	32.62	-22.10	300.52	-1,011.09	9,456.34	9,400.41	55.93	169.081		
17,600.00	7,875.00	7,392.00	7,283.17	272.89	32.62	-22.10	300.52	-1,011.09	9,556.11	9,500.07	56.03	170.540		
17,700.00	7,875.00	7,392.00	7,283.17	275.57	32.62	-22.10	300.52	-1,011.09	9,655.88	9,599.74	56.14	171.992		
17,800.00	7,875.00	7,392.00	7,283.17	278.25	32.62	-22.10	300.52	-1,011.09	9,755.66	9,699.41	56.25	173.437		
17,900.00	7,875.00	7,392.00	7,283.17	280.93	32.62	-22.10	300.52	-1,011.09	9,855.45	9,799.09	56.36	174.875		
18,000.00	7,875.00	7,392.00	7,283.17	283.61	32.62	-22.10	300.52	-1,011.09	9,955.23	9,898.77	56.47	176.307		

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ SUNSET 4-65 21-22 1H - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 187-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	17,232.02	8,007.05	0.00	257.02	-177.91	-3,397.96	-124.07	8,608.44					
29.48	29.48	17,232.07	8,007.05	0.02	257.02	-5.15	-3,397.96	-124.12	8,581.32	8,455.70	125.62	68.313		
60.08	60.08	17,232.13	8,007.05	0.12	257.02	6.85	-3,397.95	-124.18	8,553.18	8,427.31	125.87	67.955		
121.28	121.28	17,232.21	8,007.05	0.33	257.02	177.59	-3,397.95	-124.27	8,497.19	8,370.81	126.38	67.236		
151.88	151.88	17,232.11	8,007.05	0.44	257.02	93.68	-3,397.96	-124.16	8,469.24	8,342.60	126.64	66.875		
182.48	182.47	17,232.02	8,007.05	0.55	257.02	-25.48	-3,397.96	-124.07	8,441.22	8,314.31	126.91	66.511		
213.08	213.07	17,232.09	8,007.05	0.65	257.02	-13.93	-3,397.96	-124.14	8,413.18	8,285.99	127.18	66.149		
243.68	243.67	17,232.22	8,007.05	0.76	257.02	-59.62	-3,397.95	-124.27	8,385.14	8,257.68	127.46	65.788		
286.38	286.37	17,232.42	8,007.05	0.91	257.03	-17.04	-3,397.94	-124.48	8,346.01	8,218.17	127.84	65.284		
329.08	329.07	17,232.62	8,007.06	1.06	257.03	-28.15	-3,397.93	-124.67	8,306.86	8,178.63	128.23	64.781		
371.78	371.77	17,232.88	8,007.06	1.22	257.04	-51.66	-3,397.92	-124.93	8,267.76	8,139.14	128.62	64.279		
414.48	414.46	17,233.14	8,007.06	1.36	257.05	-160.61	-3,397.91	-125.19	8,228.93	8,099.91	129.02	63.779		
457.18	457.15	17,233.33	8,007.06	1.51	257.05	-176.10	-3,397.90	-125.39	8,190.55	8,061.11	129.44	63.277		
499.88	499.81	17,233.40	8,007.06	1.66	257.05	175.42	-3,397.90	-125.45	8,152.54	8,022.66	129.88	62.770		
542.58	542.45	17,233.34	8,007.06	1.81	257.05	174.81	-3,397.90	-125.39	8,114.76	7,984.42	130.34	62.258		
585.28	585.08	17,233.27	8,007.06	1.96	257.05	175.85	-3,397.91	-125.33	8,077.12	7,946.30	130.82	61.742		
627.98	627.70	17,233.24	8,007.06	2.11	257.05	176.71	-3,397.91	-125.29	8,039.52	7,908.21	131.31	61.225		
670.68	670.32	17,233.23	8,007.06	2.26	257.05	177.89	-3,397.91	-125.29	8,002.12	7,870.31	131.81	60.710		
713.38	712.90	17,233.32	8,007.06	2.41	257.05	-177.99	-3,397.90	-125.38	7,964.97	7,832.65	132.32	60.194		
756.08	755.45	17,233.48	8,007.06	2.57	257.06	-179.30	-3,397.90	-125.53	7,928.11	7,795.26	132.85	59.677		
798.78	797.96	17,233.69	8,007.06	2.73	257.06	-176.39	-3,397.89	-125.74	7,891.52	7,758.12	133.40	59.157		
841.48	840.50	17,234.08	8,007.06	2.88	257.07	-170.42	-3,397.87	-126.13	7,854.77	7,720.80	133.97	58.632		
884.18	883.12	17,234.54	8,007.06	3.04	257.08	-168.20	-3,397.85	-126.59	7,817.61	7,683.07	134.54	58.108		
926.88	925.77	17,234.94	8,007.06	3.19	257.09	-167.37	-3,397.84	-126.99	7,780.17	7,645.08	135.09	57.594		
969.58	968.44	17,235.24	8,007.06	3.34	257.10	-170.16	-3,397.82	-127.28	7,742.54	7,606.91	135.63	57.086		
1,012.28	1,011.13	17,235.43	8,007.06	3.50	257.11	-170.83	-3,397.81	-127.48	7,704.72	7,568.55	136.17	56.584		
1,054.98	1,053.83	17,235.59	8,007.06	3.65	257.11	-160.40	-3,397.81	-127.64	7,666.73	7,530.03	136.69	56.086		
1,097.68	1,096.53	17,235.75	8,007.06	3.80	257.12	-78.65	-3,397.80	-127.80	7,628.64	7,491.42	137.22	55.594		
1,140.38	1,139.23	17,235.93	8,007.06	3.94	257.12	-27.80	-3,397.79	-127.98	7,590.46	7,452.71	137.74	55.106		
1,183.08	1,181.92	17,236.16	8,007.06	4.09	257.13	-44.93	-3,397.78	-128.21	7,552.27	7,414.00	138.27	54.621		
1,225.78	1,224.62	17,236.45	8,007.07	4.23	257.14	-56.47	-3,397.77	-128.50	7,514.15	7,375.35	138.80	54.137		
1,268.48	1,267.32	17,236.73	8,007.07	4.38	257.14	-21.39	-3,397.76	-128.77	7,476.00	7,336.66	139.33	53.656		
1,311.18	1,310.01	17,236.98	8,007.07	4.53	257.15	-20.70	-3,397.75	-129.03	7,437.78	7,297.91	139.87	53.177		
1,353.88	1,352.71	17,237.26	8,007.07	4.67	257.16	-23.74	-3,397.74	-129.31	7,399.59	7,259.19	140.41	52.701		
1,396.58	1,395.40	17,237.58	8,007.07	4.82	257.17	-25.74	-3,397.72	-129.63	7,361.43	7,220.48	140.95	52.226		
1,439.28	1,438.09	17,237.90	8,007.07	4.96	257.17	-21.60	-3,397.71	-129.95	7,323.29	7,181.79	141.50	51.754		
1,481.98	1,480.78	17,238.25	8,007.07	5.11	257.18	-25.89	-3,397.69	-130.30	7,285.17	7,143.11	142.06	51.283		
1,524.68	1,523.46	17,238.68	8,007.07	5.26	257.20	-27.46	-3,397.68	-130.73	7,247.04	7,104.42	142.62	50.814		
1,567.38	1,566.14	17,239.15	8,007.07	5.41	257.21	-27.36	-3,397.66	-131.20	7,208.92	7,065.74	143.18	50.348		
1,610.08	1,608.83	17,239.50	8,007.07	5.56	257.22	-14.09	-3,397.64	-131.54	7,170.92	7,027.16	143.75	49.884		
1,652.78	1,651.52	17,239.63	8,007.08	5.70	257.22	11.20	-3,397.64	-131.67	7,133.12	6,988.79	144.33	49.422		
1,695.48	1,694.22	17,239.64	8,007.08	5.85	257.22	16.72	-3,397.64	-131.68	7,095.47	6,950.55	144.92	48.961		
1,738.18	1,736.92	17,239.57	8,007.08	6.00	257.22	30.44	-3,397.64	-131.62	7,057.86	6,912.34	145.52	48.501		
1,780.88	1,779.61	17,239.47	8,007.07	6.15	257.22	26.62	-3,397.64	-131.52	7,020.30	6,874.18	146.12	48.044		
1,823.58	1,822.31	17,239.42	8,007.07	6.30	257.21	19.03	-3,397.64	-131.46	6,982.81	6,836.07	146.73	47.588		
1,866.28	1,865.00	17,239.37	8,007.07	6.45	257.21	14.71	-3,397.65	-131.42	6,945.30	6,797.95	147.35	47.135		
1,908.98	1,907.69	17,239.31	8,007.07	6.59	257.21	17.94	-3,397.65	-131.36	6,907.80	6,759.83	147.97	46.684		
1,951.68	1,950.39	17,239.22	8,007.07	6.74	257.21	19.09	-3,397.65	-131.26	6,870.34	6,721.75	148.59	46.236		
1,994.38	1,993.08	17,239.11	8,007.07	6.89	257.21	18.77	-3,397.66	-131.15	6,832.91	6,683.69	149.22	45.790		
2,037.08	2,035.77	17,239.00	8,007.07	7.04	257.20	16.58	-3,397.66	-131.05	6,795.53	6,645.67	149.86	45.346		
2,079.78	2,078.46	17,238.87	8,007.07	7.19	257.20	23.38	-3,397.67	-130.91	6,758.22	6,607.72	150.50	44.905		
2,122.48	2,121.15	17,238.74	8,007.07	7.34	257.20	19.13	-3,397.67	-130.78	6,721.00	6,569.85	151.15	44.465		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ SUNSET 4-65 21-22 1H - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 187-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
2,165.18	2,163.84	17,238.65	8,007.07	7.49	257.19	17.55	-3,397.68	-130.70	6,683.88	6,532.07	151.81	44.028		
2,200.00	2,198.65	17,238.59	8,007.07	7.55	257.19	17.55	-3,397.68	-130.64	6,653.66	6,501.32	152.35	43.675		
2,220.18	2,218.83	17,238.55	8,007.07	7.55	257.19	17.54	-3,397.68	-130.60	6,636.17	6,483.54	152.64	43.477		
2,300.00	2,298.64	17,239.03	8,007.07	7.56	257.20	-89.54	-3,397.66	-131.08	6,567.49	6,413.67	153.82	42.695		
2,400.00	2,398.59	17,241.41	8,007.08	7.59	257.27	-119.62	-3,397.56	-133.45	6,482.87	6,327.45	155.42	41.713		
2,500.00	2,498.36	17,245.77	8,007.10	7.64	257.39	-126.98	-3,397.37	-137.81	6,399.98	6,242.84	157.14	40.728		
2,600.00	2,597.86	17,252.15	8,007.12	7.71	257.56	-130.99	-3,397.10	-144.19	6,319.00	6,160.01	158.99	39.744		
2,700.00	2,696.94	17,260.57	8,007.16	7.79	257.78	-133.80	-3,396.75	-152.60	6,240.10	6,079.12	160.98	38.764		
2,730.19	2,726.76	17,263.52	8,007.17	7.83	257.86	-134.51	-3,396.62	-155.54	6,216.70	6,055.10	161.60	38.470		
2,800.00	2,795.64	17,270.57	8,007.20	7.91	258.05	-134.41	-3,396.32	-162.59	6,163.01	5,999.93	163.08	37.791		
2,900.00	2,894.31	17,280.75	8,007.26	8.05	258.32	-134.27	-3,395.89	-172.76	6,086.65	5,921.39	165.26	36.832		
3,000.00	2,992.99	17,346.81	8,007.41	8.22	260.09	-133.33	-3,393.05	-238.76	6,010.95	5,842.61	168.34	35.707		
3,100.00	3,091.66	17,359.90	8,007.37	8.40	260.44	-133.15	-3,392.47	-251.83	5,935.82	5,765.13	170.69	34.776		
3,200.00	3,190.34	17,372.99	8,007.32	8.61	260.80	-132.96	-3,391.90	-264.91	5,861.41	5,688.31	173.09	33.862		
3,300.00	3,289.01	17,386.07	8,007.28	8.83	261.15	-132.77	-3,391.32	-277.98	5,787.73	5,612.17	175.56	32.967		
3,400.00	3,387.69	17,391.00	8,007.26	9.07	261.28	-132.70	-3,391.10	-282.90	5,714.84	5,536.88	177.96	32.114		
3,500.00	3,486.36	17,391.00	8,007.26	9.33	261.28	-132.70	-3,391.10	-282.90	5,642.77	5,462.44	180.33	31.292		
3,600.00	3,585.03	17,391.00	8,007.26	9.60	261.28	-132.70	-3,391.10	-282.90	5,571.56	5,388.82	182.75	30.488		
3,700.00	3,683.71	17,391.00	8,007.26	9.88	261.28	-132.70	-3,391.10	-282.90	5,501.25	5,316.03	185.22	29.701		
3,800.00	3,782.38	17,391.00	8,007.26	10.18	261.28	-132.70	-3,391.10	-282.90	5,431.88	5,244.13	187.74	28.932		
3,900.00	3,881.06	17,391.00	8,007.26	10.48	261.28	-132.70	-3,391.10	-282.90	5,363.46	5,173.15	190.32	28.182		
4,000.00	3,979.73	17,391.00	8,007.26	10.80	261.28	-132.70	-3,391.10	-282.90	5,296.06	5,103.12	192.94	27.450		
4,100.00	4,078.41	17,391.00	8,007.26	11.13	261.28	-132.70	-3,391.10	-282.90	5,229.69	5,034.09	195.60	26.736		
4,200.00	4,177.08	17,391.00	8,007.26	11.46	261.28	-132.70	-3,391.10	-282.90	5,164.41	4,966.10	198.31	26.042		
4,300.00	4,275.76	17,391.00	8,007.26	11.80	261.28	-132.70	-3,391.10	-282.90	5,100.26	4,899.19	201.07	25.366		
4,400.00	4,374.43	17,391.00	8,007.26	12.15	261.28	-132.70	-3,391.10	-282.90	5,037.27	4,833.42	203.86	24.710		
4,500.00	4,473.10	17,391.00	8,007.26	12.51	261.28	-132.70	-3,391.10	-282.90	4,975.50	4,768.81	206.69	24.072		
4,600.00	4,571.78	17,391.00	8,007.26	12.87	261.28	-132.70	-3,391.10	-282.90	4,914.99	4,705.43	209.55	23.455		
4,700.00	4,670.45	17,391.00	8,007.26	13.23	261.28	-132.70	-3,391.10	-282.90	4,855.78	4,643.33	212.45	22.856		
4,800.00	4,769.13	17,391.00	8,007.26	13.60	261.28	-132.70	-3,391.10	-282.90	4,797.92	4,582.55	215.37	22.277		
4,900.00	4,867.80	17,391.00	8,007.26	13.98	261.28	-132.70	-3,391.10	-282.90	4,741.47	4,523.15	218.32	21.718		
5,000.00	4,966.48	17,391.00	8,007.26	14.36	261.28	-132.70	-3,391.10	-282.90	4,686.47	4,465.19	221.28	21.179		
5,100.00	5,065.15	17,391.00	8,007.26	14.75	261.28	-132.70	-3,391.10	-282.90	4,632.98	4,408.72	224.26	20.659		
5,200.00	5,163.82	17,391.00	8,007.26	15.13	261.28	-132.70	-3,391.10	-282.90	4,581.04	4,353.79	227.25	20.159		
5,300.00	5,262.50	17,391.00	8,007.26	15.52	261.28	-132.70	-3,391.10	-282.90	4,530.72	4,300.48	230.24	19.678		
5,400.00	5,361.17	17,391.00	8,007.26	15.92	261.28	-132.70	-3,391.10	-282.90	4,482.07	4,248.84	233.23	19.217		
5,500.00	5,459.85	17,391.00	8,007.26	16.32	261.28	-132.70	-3,391.10	-282.90	4,435.13	4,198.92	236.21	18.776		
5,600.00	5,558.52	17,391.00	8,007.26	16.71	261.28	-132.70	-3,391.10	-282.90	4,389.97	4,150.80	239.17	18.355		
5,700.00	5,657.20	17,391.00	8,007.26	17.12	261.28	-132.70	-3,391.10	-282.90	4,346.65	4,104.54	242.11	17.953		
5,800.00	5,755.87	17,391.00	8,007.26	17.52	261.28	-132.70	-3,391.10	-282.90	4,305.21	4,060.19	245.02	17.571		
5,900.00	5,854.54	17,391.00	8,007.26	17.93	261.28	-132.70	-3,391.10	-282.90	4,265.71	4,017.82	247.89	17.208		
6,000.00	5,953.22	17,391.00	8,007.26	18.34	261.28	-132.70	-3,391.10	-282.90	4,228.21	3,977.50	250.71	16.865		
6,100.00	6,051.89	17,391.00	8,007.26	18.75	261.28	-132.70	-3,391.10	-282.90	4,192.76	3,939.29	253.47	16.541		
6,200.00	6,150.57	17,391.00	8,007.26	19.16	261.28	-132.70	-3,391.10	-282.90	4,159.42	3,903.24	256.17	16.237		
6,300.00	6,249.24	17,391.00	8,007.26	19.57	261.28	-132.70	-3,391.10	-282.90	4,128.22	3,869.42	258.80	15.951		
6,400.00	6,347.92	17,391.00	8,007.26	19.99	261.28	-132.70	-3,391.10	-282.90	4,099.23	3,837.89	261.34	15.685		
6,500.00	6,446.59	17,391.00	8,007.26	20.41	261.28	-132.70	-3,391.10	-282.90	4,072.49	3,808.70	263.79	15.438		
6,600.00	6,545.26	17,391.00	8,007.26	20.82	261.28	-132.70	-3,391.10	-282.90	4,048.04	3,781.90	266.15	15.210		
6,700.00	6,643.94	17,391.00	8,007.26	21.24	261.28	-132.70	-3,391.10	-282.90	4,025.93	3,757.55	268.39	15.001		
6,800.00	6,742.61	17,391.00	8,007.26	21.66	261.28	-132.70	-3,391.10	-282.90	4,006.20	3,735.69	270.51	14.810		
6,900.00	6,841.29	17,391.00	8,007.26	22.09	261.28	-132.70	-3,391.10	-282.90	3,988.87	3,716.36	272.51	14.638		
7,000.00	6,939.96	17,391.00	8,007.26	22.51	261.28	-132.70	-3,391.10	-282.90	3,973.99	3,699.61	274.37	14.484		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ SUNSET 4-65 21-22 1H - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 187-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
7,100.00	7,038.64	17,391.00	8,007.26	22.93	261.28	-132.70	-3,391.10	-282.90	3,961.57	3,685.47	276.10	14.348		
7,200.00	7,137.31	17,391.00	8,007.26	23.36	261.28	-132.70	-3,391.10	-282.90	3,951.65	3,673.97	277.68	14.231		
7,300.00	7,235.99	17,391.00	8,007.26	23.78	261.28	-132.70	-3,391.10	-282.90	3,944.24	3,665.13	279.11	14.132		
7,400.00	7,334.66	17,391.00	8,007.26	24.21	261.28	-132.70	-3,391.10	-282.90	3,939.35	3,658.97	280.38	14.050		
7,444.84	7,378.91	17,391.00	8,007.26	24.40	261.28	-132.70	-3,391.10	-282.90	3,937.98	3,657.08	280.90	14.019		
7,450.00	7,383.99	17,391.00	8,007.26	24.42	261.28	-130.90	-3,391.10	-282.90	3,937.86	3,656.90	280.96	14.016		
7,500.00	7,432.91	17,391.00	8,007.26	24.66	261.28	-119.29	-3,391.10	-282.90	3,937.26	3,655.76	281.50	13.987		
7,503.42	7,436.22	17,391.00	8,007.26	24.68	261.28	-118.75	-3,391.10	-282.90	3,937.25	3,655.72	281.53	13.985 CC, ES		
7,550.00	7,480.84	17,391.00	8,007.26	24.93	261.28	-113.26	-3,391.10	-282.90	3,937.71	3,655.73	281.98	13.964		
7,600.00	7,527.44	17,391.00	8,007.26	25.23	261.28	-109.57	-3,391.10	-282.90	3,939.23	3,656.80	282.43	13.948		
7,650.00	7,572.35	17,391.00	8,007.26	25.57	261.28	-107.02	-3,391.10	-282.90	3,941.79	3,658.97	282.82	13.938		
7,700.00	7,615.21	17,391.00	8,007.26	25.94	261.28	-105.06	-3,391.10	-282.90	3,945.37	3,662.21	283.16	13.933 SF		
7,750.00	7,655.72	17,391.00	8,007.26	26.35	261.28	-103.44	-3,391.10	-282.90	3,949.95	3,666.49	283.46	13.935		
7,800.00	7,693.55	17,391.00	8,007.26	26.80	261.28	-102.01	-3,391.10	-282.90	3,955.48	3,671.77	283.71	13.942		
7,850.00	7,728.43	17,391.00	8,007.26	27.29	261.28	-100.69	-3,391.10	-282.90	3,961.91	3,677.99	283.92	13.954		
7,900.00	7,760.08	17,391.00	8,007.26	27.82	261.28	-99.44	-3,391.10	-282.90	3,969.21	3,685.12	284.09	13.972		
7,950.00	7,788.27	17,391.00	8,007.26	28.40	261.28	-98.21	-3,391.10	-282.90	3,977.30	3,693.07	284.23	13.993		
8,000.00	7,812.78	17,391.00	8,007.26	29.02	261.28	-97.00	-3,391.10	-282.90	3,986.11	3,701.77	284.34	14.019		
8,050.00	7,833.42	17,391.00	8,007.26	29.69	261.28	-95.79	-3,391.10	-282.90	3,995.59	3,711.17	284.42	14.048		
8,100.00	7,850.04	17,391.00	8,007.26	30.41	261.28	-94.58	-3,391.10	-282.90	4,005.64	3,721.17	284.48	14.081		
8,150.00	7,862.51	17,391.00	8,007.26	31.16	261.28	-93.37	-3,391.10	-282.90	4,016.20	3,731.69	284.51	14.116		
8,200.00	7,870.73	17,391.00	8,007.26	31.94	261.28	-92.16	-3,391.10	-282.90	4,027.17	3,742.65	284.52	14.154		
8,250.00	7,874.65	17,391.00	8,007.26	32.75	261.28	-90.97	-3,391.10	-282.90	4,038.48	3,753.97	284.51	14.195		
8,270.17	7,875.00	17,391.00	8,007.26	33.09	261.28	-90.49	-3,391.10	-282.90	4,043.11	3,758.62	284.49	14.212		
8,300.00	7,875.00	17,391.00	8,007.26	33.59	261.28	-90.49	-3,391.10	-282.90	4,050.09	3,765.62	284.47	14.238		
8,400.00	7,875.00	17,391.00	8,007.26	35.34	261.28	-90.49	-3,391.10	-282.90	4,075.00	3,790.64	284.36	14.330		
8,500.00	7,875.00	17,391.00	8,007.26	37.22	261.28	-90.49	-3,391.10	-282.90	4,102.20	3,818.00	284.20	14.434		
8,600.00	7,875.00	17,391.00	8,007.26	39.18	261.28	-90.49	-3,391.10	-282.90	4,131.64	3,847.65	283.98	14.549		
8,700.00	7,875.00	17,391.00	8,007.26	41.23	261.28	-90.49	-3,391.10	-282.90	4,163.27	3,879.58	283.70	14.675		
8,800.00	7,875.00	17,391.00	8,007.26	43.36	261.28	-90.49	-3,391.10	-282.90	4,197.05	3,913.72	283.34	14.813		
8,900.00	7,875.00	17,391.00	8,007.26	45.54	261.28	-90.49	-3,391.10	-282.90	4,232.92	3,950.03	282.90	14.963		
9,000.00	7,875.00	17,391.00	8,007.26	47.77	261.28	-90.49	-3,391.10	-282.90	4,270.84	3,988.46	282.38	15.125		
9,100.00	7,875.00	17,391.00	8,007.26	50.06	261.28	-90.49	-3,391.10	-282.90	4,310.74	4,028.96	281.78	15.298		
9,200.00	7,875.00	17,391.00	8,007.26	52.38	261.28	-90.49	-3,391.10	-282.90	4,352.57	4,071.46	281.11	15.484		
9,300.00	7,875.00	17,391.00	8,007.26	54.73	261.28	-90.49	-3,391.10	-282.90	4,396.28	4,115.92	280.36	15.681		
9,400.00	7,875.00	17,391.00	8,007.26	57.12	261.28	-90.49	-3,391.10	-282.90	4,441.81	4,162.27	279.54	15.890		
9,500.00	7,875.00	17,391.00	8,007.26	59.53	261.28	-90.49	-3,391.10	-282.90	4,489.11	4,210.46	278.65	16.110		
9,600.00	7,875.00	17,391.00	8,007.26	61.96	261.28	-90.49	-3,391.10	-282.90	4,538.11	4,260.42	277.70	16.342		
9,700.00	7,875.00	17,391.00	8,007.26	64.42	261.28	-90.49	-3,391.10	-282.90	4,588.78	4,312.10	276.68	16.585		
9,800.00	7,875.00	17,391.00	8,007.26	66.89	261.28	-90.49	-3,391.10	-282.90	4,641.04	4,365.43	275.61	16.839		
9,900.00	7,875.00	17,391.00	8,007.26	69.38	261.28	-90.49	-3,391.10	-282.90	4,694.86	4,420.37	274.49	17.104		
10,000.00	7,875.00	17,391.00	8,007.26	71.89	261.28	-90.49	-3,391.10	-282.90	4,750.17	4,476.84	273.33	17.379		
10,100.00	7,875.00	17,391.00	8,007.26	74.41	261.28	-90.49	-3,391.10	-282.90	4,806.92	4,534.81	272.12	17.665		
10,200.00	7,875.00	17,391.00	8,007.26	76.94	261.28	-90.49	-3,391.10	-282.90	4,865.07	4,594.20	270.87	17.961		
10,300.00	7,875.00	17,391.00	8,007.26	79.48	261.28	-90.49	-3,391.10	-282.90	4,924.56	4,654.97	269.59	18.267		
10,400.00	7,875.00	17,391.00	8,007.26	82.03	261.28	-90.49	-3,391.10	-282.90	4,985.35	4,717.07	268.28	18.583		
10,500.00	7,875.00	17,391.00	8,007.26	84.59	261.28	-90.49	-3,391.10	-282.90	5,047.39	4,780.44	266.94	18.908		
10,600.00	7,875.00	17,391.00	8,007.26	87.16	261.28	-90.49	-3,391.10	-282.90	5,110.63	4,845.04	265.59	19.243		
10,700.00	7,875.00	17,391.00	8,007.26	89.73	261.28	-90.49	-3,391.10	-282.90	5,175.03	4,910.82	264.21	19.587		
10,800.00	7,875.00	17,391.00	8,007.26	92.31	261.28	-90.49	-3,391.10	-282.90	5,240.55	4,977.72	262.82	19.939		
10,900.00	7,875.00	17,391.00	8,007.26	94.90	261.28	-90.49	-3,391.10	-282.90	5,307.14	5,045.72	261.42	20.301		
11,000.00	7,875.00	17,391.00	8,007.26	97.49	261.28	-90.49	-3,391.10	-282.90	5,374.77	5,114.76	260.01	20.671		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ SUNSET 4-65 21-22 1H - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 187-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
11,100.00	7,875.00	17,391.00	8,007.26	100.09	261.28	-90.49	-3,391.10	-282.90	5,443.39	5,184.80	258.59	21.050		
11,200.00	7,875.00	17,391.00	8,007.26	102.69	261.28	-90.49	-3,391.10	-282.90	5,512.98	5,255.81	257.17	21.437		
11,300.00	7,875.00	17,391.00	8,007.26	105.30	261.28	-90.49	-3,391.10	-282.90	5,583.49	5,327.74	255.75	21.832		
11,400.00	7,875.00	17,391.00	8,007.26	107.91	261.28	-90.49	-3,391.10	-282.90	5,654.89	5,400.56	254.33	22.235		
11,500.00	7,875.00	17,391.00	8,007.26	110.53	261.28	-90.49	-3,391.10	-282.90	5,727.14	5,474.23	252.91	22.645		
11,600.00	7,875.00	17,391.00	8,007.26	113.15	261.28	-90.49	-3,391.10	-282.90	5,800.22	5,548.73	251.49	23.063		
11,700.00	7,875.00	17,391.00	8,007.26	115.77	261.28	-90.49	-3,391.10	-282.90	5,874.09	5,624.01	250.08	23.489		
11,800.00	7,875.00	17,391.00	8,007.26	118.40	261.28	-90.49	-3,391.10	-282.90	5,948.73	5,700.05	248.68	23.921		
11,900.00	7,875.00	17,391.00	8,007.26	121.03	261.28	-90.49	-3,391.10	-282.90	6,024.10	5,776.81	247.29	24.361		
12,000.00	7,875.00	17,391.00	8,007.26	123.66	261.28	-90.49	-3,391.10	-282.90	6,100.18	5,854.28	245.90	24.807		
12,100.00	7,875.00	17,391.00	8,007.26	126.29	261.28	-90.49	-3,391.10	-282.90	6,176.94	5,932.41	244.53	25.261		
12,200.00	7,875.00	17,391.00	8,007.26	128.93	261.28	-90.49	-3,391.10	-282.90	6,254.36	6,011.19	243.17	25.720		
12,300.00	7,875.00	17,391.00	8,007.26	131.57	261.28	-90.49	-3,391.10	-282.90	6,332.41	6,090.59	241.82	26.186		
12,400.00	7,875.00	17,391.00	8,007.26	134.21	261.28	-90.49	-3,391.10	-282.90	6,411.07	6,170.58	240.48	26.659		
12,500.00	7,875.00	17,391.00	8,007.26	136.85	261.28	-90.49	-3,391.10	-282.90	6,490.31	6,251.15	239.16	27.138		
12,600.00	7,875.00	17,391.00	8,007.26	139.49	261.28	-90.49	-3,391.10	-282.90	6,570.13	6,332.27	237.86	27.622		
12,700.00	7,875.00	17,391.00	8,007.26	142.14	261.28	-90.49	-3,391.10	-282.90	6,650.49	6,413.92	236.57	28.113		
12,800.00	7,875.00	17,391.00	8,007.26	144.79	261.28	-90.49	-3,391.10	-282.90	6,731.37	6,496.08	235.29	28.609		
12,900.00	7,875.00	17,391.00	8,007.26	147.44	261.28	-90.49	-3,391.10	-282.90	6,812.77	6,578.74	234.03	29.111		
13,000.00	7,875.00	17,391.00	8,007.26	150.09	261.28	-90.49	-3,391.10	-282.90	6,894.65	6,661.86	232.79	29.618		
13,100.00	7,875.00	17,391.00	8,007.26	152.74	261.28	-90.49	-3,391.10	-282.90	6,977.01	6,745.45	231.56	30.131		
13,200.00	7,875.00	17,391.00	8,007.26	155.39	261.28	-90.49	-3,391.10	-282.90	7,059.82	6,829.47	230.35	30.649		
13,300.00	7,875.00	17,391.00	8,007.26	158.05	261.28	-90.49	-3,391.10	-282.90	7,143.07	6,913.91	229.15	31.172		
13,400.00	7,875.00	17,391.00	8,007.26	160.70	261.28	-90.49	-3,391.10	-282.90	7,226.74	6,998.77	227.98	31.700		
13,500.00	7,875.00	17,391.00	8,007.26	163.36	261.28	-90.49	-3,391.10	-282.90	7,310.83	7,084.01	226.81	32.233		
13,600.00	7,875.00	17,391.00	8,007.26	166.02	261.28	-90.49	-3,391.10	-282.90	7,395.31	7,169.64	225.67	32.770		
13,700.00	7,875.00	17,391.00	8,007.26	168.68	261.28	-90.49	-3,391.10	-282.90	7,480.18	7,255.63	224.54	33.313		
13,800.00	7,875.00	17,391.00	8,007.26	171.34	261.28	-90.49	-3,391.10	-282.90	7,565.41	7,341.98	223.43	33.860		
13,900.00	7,875.00	17,391.00	8,007.26	174.00	261.28	-90.49	-3,391.10	-282.90	7,651.00	7,428.66	222.34	34.411		
14,000.00	7,875.00	17,391.00	8,007.26	176.66	261.28	-90.49	-3,391.10	-282.90	7,736.94	7,515.68	221.26	34.967		
14,100.00	7,875.00	17,391.00	8,007.26	179.33	261.28	-90.49	-3,391.10	-282.90	7,823.21	7,603.01	220.20	35.527		
14,200.00	7,875.00	17,391.00	8,007.26	181.99	261.28	-90.49	-3,391.10	-282.90	7,909.81	7,690.65	219.16	36.092		
14,300.00	7,875.00	17,391.00	8,007.26	184.66	261.28	-90.49	-3,391.10	-282.90	7,996.71	7,778.58	218.13	36.660		
14,400.00	7,875.00	17,391.00	8,007.26	187.32	261.28	-90.49	-3,391.10	-282.90	8,083.93	7,866.80	217.12	37.232		
14,500.00	7,875.00	17,391.00	8,007.26	189.99	261.28	-90.49	-3,391.10	-282.90	8,171.43	7,955.30	216.13	37.809		
14,600.00	7,875.00	17,391.00	8,007.26	192.66	261.28	-90.49	-3,391.10	-282.90	8,259.22	8,044.07	215.15	38.389		
14,700.00	7,875.00	17,391.00	8,007.26	195.32	261.28	-90.49	-3,391.10	-282.90	8,347.28	8,133.10	214.18	38.973		
14,800.00	7,875.00	17,391.00	8,007.26	197.99	261.28	-90.49	-3,391.10	-282.90	8,435.61	8,222.37	213.23	39.560		
14,900.00	7,875.00	17,391.00	8,007.26	200.66	261.28	-90.49	-3,391.10	-282.90	8,524.19	8,311.89	212.30	40.151		
15,000.00	7,875.00	17,391.00	8,007.26	203.33	261.28	-90.49	-3,391.10	-282.90	8,613.03	8,401.65	211.38	40.746		
15,100.00	7,875.00	17,391.00	8,007.26	206.00	261.28	-90.49	-3,391.10	-282.90	8,702.11	8,491.63	210.48	41.344		
15,200.00	7,875.00	17,391.00	8,007.26	208.67	261.28	-90.49	-3,391.10	-282.90	8,791.42	8,581.83	209.59	41.945		
15,300.00	7,875.00	17,391.00	8,007.26	211.34	261.28	-90.49	-3,391.10	-282.90	8,880.96	8,672.24	208.72	42.550		
15,400.00	7,875.00	17,391.00	8,007.26	214.01	261.28	-90.49	-3,391.10	-282.90	8,970.72	8,762.86	207.86	43.157		
15,500.00	7,875.00	17,391.00	8,007.26	216.69	261.28	-90.49	-3,391.10	-282.90	9,060.70	8,853.68	207.02	43.768		
15,600.00	7,875.00	17,391.00	8,007.26	219.36	261.28	-90.49	-3,391.10	-282.90	9,150.88	8,944.70	206.18	44.382		
15,700.00	7,875.00	17,391.00	8,007.26	222.03	261.28	-90.49	-3,391.10	-282.90	9,241.27	9,035.90	205.37	44.999		
15,800.00	7,875.00	17,391.00	8,007.26	224.71	261.28	-90.49	-3,391.10	-282.90	9,331.85	9,127.29	204.56	45.619		
15,900.00	7,875.00	17,391.00	8,007.26	227.38	261.28	-90.49	-3,391.10	-282.90	9,422.63	9,218.86	203.77	46.241		
16,000.00	7,875.00	17,391.00	8,007.26	230.05	261.28	-90.49	-3,391.10	-282.90	9,513.59	9,310.59	202.99	46.866		
16,100.00	7,875.00	17,391.00	8,007.26	232.73	261.28	-90.49	-3,391.10	-282.90	9,604.72	9,402.49	202.23	47.494		
16,200.00	7,875.00	17,391.00	8,007.26	235.40	261.28	-90.49	-3,391.10	-282.90	9,696.04	9,494.56	201.48	48.125		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ SUNSET 4-65 21-22 1H - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 187-MWD OWSG												Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor	
16,300.00	7,875.00	17,391.00	8,007.26	238.08	261.28	-90.49	-3,391.10	-282.90	9,787.52	9,586.78	200.74	48.758	
16,400.00	7,875.00	17,391.00	8,007.26	240.76	261.28	-90.49	-3,391.10	-282.90	9,879.17	9,679.16	200.01	49.394	
16,500.00	7,875.00	17,391.00	8,007.26	243.43	261.28	-90.49	-3,391.10	-282.90	9,970.97	9,771.68	199.29	50.032	

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ SUNSET 4-65 21-22 2AH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	4.91	4.91	0.00	0.00	141.49	-97.62	77.67	124.75					
29.48	29.48	34.17	34.17	0.02	0.03	-45.69	-97.65	77.68	124.70	124.66	0.04	3,179.873		
43.96	43.96	48.47	48.47	0.06	0.08	-43.44	-97.71	77.67	124.68	124.54	0.14	875.747 CC		
60.08	60.08	64.55	64.55	0.12	0.14	-33.79	-97.82	77.64	124.71	124.45	0.26	488.934		
121.28	121.28	125.25	125.25	0.33	0.35	137.31	-98.36	77.23	125.12	124.44	0.68	182.712		
151.88	151.88	155.97	155.96	0.44	0.46	51.76	-98.73	77.13	125.36	124.46	0.90	139.219		
175.23	175.22	179.82	179.81	0.52	0.55	30.58	-98.97	77.01	125.33	124.26	1.07	117.379		
182.48	182.47	187.03	187.02	0.55	0.57	-65.09	-99.02	76.97	125.33	124.21	1.12	112.006		
213.08	213.07	217.13	217.12	0.65	0.68	-53.36	-99.36	76.81	125.44	124.10	1.33	93.980		
243.68	243.67	247.85	247.84	0.76	0.79	-98.21	-99.77	76.60	125.60	124.05	1.55	80.885		
286.38	286.37	290.37	290.35	0.91	0.95	-56.03	-100.43	76.26	125.84	123.98	1.86	67.777		
329.08	329.07	334.59	334.55	1.06	1.11	-66.36	-101.18	75.35	125.67	123.50	2.17	57.971		
371.78	371.77	377.80	377.73	1.22	1.26	-89.07	-102.01	73.79	125.29	122.82	2.48	50.619		
408.98	408.97	415.69	415.55	1.35	1.40	167.77	-102.90	71.88	125.13	122.39	2.74	45.644		
414.48	414.46	421.05	420.91	1.36	1.42	162.69	-103.04	71.56	125.14	122.36	2.78	45.011 ES		
457.18	457.15	462.96	462.70	1.51	1.57	148.46	-104.45	68.87	125.79	122.71	3.08	40.825		
499.88	499.81	504.75	504.30	1.66	1.73	141.45	-106.58	65.50	127.29	123.90	3.39	37.586		
542.58	542.45	547.60	546.88	1.81	1.89	143.42	-109.09	61.45	129.25	125.56	3.70	34.942		
585.28	585.08	589.97	588.95	1.96	2.06	147.41	-111.60	57.08	131.51	127.50	4.01	32.771		
627.98	627.70	631.44	630.09	2.11	2.22	151.17	-114.27	52.52	134.20	129.87	4.33	31.017		
670.68	670.32	672.91	671.09	2.26	2.39	155.51	-117.44	47.16	137.68	133.03	4.65	29.639		
713.38	712.90	712.04	709.66	2.41	2.56	163.29	-121.06	41.67	142.52	137.56	4.96	28.734		
756.08	755.45	750.74	747.69	2.57	2.73	164.73	-125.42	36.01	149.00	143.73	5.27	28.255		
798.78	797.96	792.22	788.34	2.73	2.92	171.37	-130.60	29.57	156.77	151.18	5.60	28.000		
841.48	840.50	833.41	828.71	2.88	3.10	-179.20	-135.64	23.14	164.48	158.56	5.92	27.802		
884.18	883.12	874.21	868.68	3.04	3.29	-174.67	-140.75	16.71	171.73	165.51	6.23	27.578		
926.88	925.77	914.84	908.43	3.19	3.48	-171.92	-146.04	10.16	178.79	172.26	6.54	27.347		
969.58	968.44	956.47	949.10	3.34	3.68	-172.94	-151.61	3.28	185.75	178.89	6.86	27.095		
1,012.28	1,011.13	1,000.22	991.86	3.50	3.90	-171.75	-157.22	-4.08	192.22	185.03	7.19	26.750		
1,054.98	1,053.83	1,041.81	1,032.54	3.65	4.10	-159.25	-162.20	-11.15	198.11	190.60	7.50	26.408		
1,097.68	1,096.53	1,083.85	1,073.65	3.80	4.30	-75.57	-167.35	-18.29	204.04	196.22	7.82	26.097		
1,140.38	1,139.23	1,125.13	1,113.99	3.94	4.50	-22.74	-172.31	-25.52	209.79	201.66	8.13	25.818		
1,183.08	1,181.92	1,166.45	1,154.36	4.09	4.71	-37.94	-177.46	-32.68	215.78	207.35	8.43	25.592		
1,225.78	1,224.62	1,208.84	1,195.77	4.23	4.92	-47.61	-182.71	-40.05	221.99	213.24	8.75	25.378		
1,268.48	1,267.32	1,250.59	1,236.53	4.38	5.13	-11.25	-187.73	-47.57	228.09	219.04	9.06	25.188		
1,311.18	1,310.01	1,293.07	1,278.02	4.53	5.34	-8.93	-192.90	-55.07	234.15	224.79	9.37	24.996		
1,353.88	1,352.71	1,340.26	1,324.18	4.67	5.57	-10.25	-198.14	-63.32	239.86	230.15	9.71	24.694		
1,396.58	1,395.40	1,385.09	1,368.19	4.82	5.79	-10.59	-202.16	-70.89	244.69	234.65	10.04	24.372		
1,439.28	1,438.09	1,426.71	1,409.07	4.96	5.99	-5.37	-205.79	-77.84	249.47	239.13	10.34	24.121		
1,481.98	1,480.78	1,468.80	1,450.42	5.11	6.19	-8.09	-209.62	-84.68	254.38	243.73	10.65	23.890		
1,524.68	1,523.46	1,510.51	1,491.42	5.26	6.38	-8.33	-213.45	-91.31	259.21	248.26	10.95	23.672		
1,567.38	1,566.14	1,554.56	1,534.73	5.41	6.59	-7.13	-217.51	-98.22	264.03	252.76	11.27	23.431		
1,610.08	1,608.83	1,598.69	1,578.20	5.56	6.79	6.21	-221.22	-104.91	268.70	257.12	11.59	23.193		
1,652.78	1,651.52	1,642.34	1,621.24	5.70	6.99	31.73	-224.74	-111.25	273.65	261.75	11.90	22.999		
1,695.48	1,694.22	1,685.82	1,664.17	5.85	7.19	38.03	-228.14	-117.26	278.68	266.47	12.21	22.828		
1,738.18	1,736.92	1,729.56	1,707.39	6.00	7.39	52.19	-231.43	-123.06	283.57	271.05	12.52	22.655		
1,780.88	1,779.61	1,773.09	1,750.45	6.15	7.58	49.46	-234.54	-128.66	288.32	275.50	12.82	22.484		
1,823.58	1,822.31	1,813.90	1,790.83	6.30	7.75	42.65	-237.53	-133.72	293.08	279.97	13.11	22.348		
1,866.28	1,865.00	1,854.71	1,831.19	6.45	7.94	39.06	-240.70	-138.96	297.99	284.59	13.41	22.230		
1,908.98	1,907.69	1,895.33	1,871.28	6.59	8.12	42.93	-243.84	-144.60	303.08	289.38	13.70	22.131		
1,951.68	1,950.39	1,936.92	1,912.31	6.74	8.31	44.79	-247.15	-150.57	308.39	294.40	13.99	22.041		
1,994.38	1,993.08	1,978.50	1,953.32	6.89	8.50	45.20	-250.47	-156.61	313.75	299.46	14.29	21.959		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ SUNSET 4-65 21-22 2AH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
2,037.08	2,035.77	2,019.56	1,993.79	7.04	8.69	43.90	-253.83	-162.64	319.25	304.67	14.58	21.894		
2,079.78	2,078.46	2,061.82	2,035.45	7.19	8.88	51.17	-257.44	-168.80	324.94	310.06	14.88	21.833		
2,122.48	2,121.15	2,105.19	2,078.23	7.34	9.08	47.88	-261.19	-174.80	330.61	315.42	15.19	21.762		
2,165.18	2,163.84	2,147.35	2,119.85	7.49	9.27	47.00	-264.75	-180.56	336.24	320.74	15.49	21.702 SF		
2,200.00	2,198.65	2,181.91	2,153.95	7.55	9.43	47.50	-267.69	-185.33	340.89	325.21	15.68	21.743		
2,220.18	2,218.83	2,202.50	2,174.27	7.55	9.52	47.79	-269.43	-188.12	343.56	327.81	15.76	21.805		
2,300.00	2,298.64	2,283.32	2,254.11	7.56	9.88	-56.12	-276.05	-198.85	354.04	337.97	16.07	22.034		
2,400.00	2,398.59	2,384.78	2,354.41	7.59	10.33	-83.05	-283.86	-211.99	366.99	350.51	16.48	22.264		
2,500.00	2,498.36	2,472.06	2,440.54	7.64	10.73	-87.95	-290.65	-224.29	381.08	364.23	16.84	22.628		
2,600.00	2,597.86	2,565.44	2,532.04	7.71	11.19	-89.85	-299.12	-240.90	398.57	381.30	17.27	23.077		
2,700.00	2,696.94	2,664.77	2,629.37	7.79	11.68	-91.25	-308.21	-258.56	416.49	398.70	17.78	23.418		
2,730.19	2,726.76	2,694.13	2,658.13	7.83	11.82	-91.65	-310.84	-263.78	421.92	403.98	17.94	23.514		
2,800.00	2,795.64	2,760.80	2,723.44	7.91	12.15	-92.24	-316.97	-275.73	434.75	416.44	18.31	23.742		
2,900.00	2,894.31	2,856.85	2,817.53	8.05	12.63	-93.15	-326.61	-292.46	453.63	434.77	18.86	24.047		
3,000.00	2,992.99	2,953.71	2,912.40	8.22	13.11	-94.08	-337.07	-308.91	473.03	453.58	19.45	24.325		
3,100.00	3,091.66	3,056.80	3,013.52	8.40	13.61	-95.00	-347.58	-325.99	491.79	471.70	20.09	24.478		
3,200.00	3,190.34	3,152.84	3,107.73	8.61	14.08	-95.80	-357.40	-341.90	510.71	490.00	20.71	24.663		
3,300.00	3,289.01	3,253.96	3,206.92	8.83	14.58	-96.54	-367.33	-358.86	529.46	508.09	21.38	24.769		
3,400.00	3,387.69	3,352.85	3,303.95	9.07	15.06	-97.16	-376.40	-375.65	547.82	525.77	22.05	24.849		
3,500.00	3,486.36	3,450.78	3,400.00	9.33	15.54	-97.70	-385.30	-392.58	566.32	543.59	22.73	24.920		
3,600.00	3,585.03	3,544.46	3,491.91	9.60	16.00	-98.25	-394.35	-408.25	585.10	561.71	23.39	25.014		
3,700.00	3,683.71	3,650.95	3,596.41	9.88	16.52	-98.88	-404.87	-425.81	604.06	579.90	24.15	25.010		
3,800.00	3,782.38	3,744.61	3,688.46	10.18	16.97	-99.43	-413.69	-440.68	622.35	597.51	24.84	25.052		
3,900.00	3,881.06	3,848.72	3,790.80	10.48	17.47	-100.03	-423.70	-456.95	640.78	615.17	25.61	25.023		
4,000.00	3,979.73	3,963.25	3,903.67	10.80	18.00	-100.61	-432.51	-474.29	657.30	630.86	26.44	24.862		
4,100.00	4,078.41	4,060.96	3,999.97	11.13	18.45	-100.97	-438.17	-489.74	672.48	645.30	27.18	24.740		
4,200.00	4,177.08	4,144.35	4,081.81	11.46	18.85	-101.12	-443.36	-504.92	689.09	661.24	27.85	24.744		
4,300.00	4,275.76	4,231.54	4,167.35	11.80	19.27	-101.46	-451.73	-519.51	708.08	679.54	28.54	24.806		
4,400.00	4,374.43	4,325.87	4,259.91	12.15	19.73	-101.87	-461.45	-534.90	727.61	698.32	29.29	24.842		
4,500.00	4,473.10	4,421.14	4,353.29	12.51	20.20	-102.27	-472.04	-550.54	747.94	717.89	30.05	24.891		
4,600.00	4,571.78	4,525.39	4,455.51	12.87	20.72	-102.68	-483.18	-567.73	767.95	737.07	30.87	24.873		
4,700.00	4,670.45	4,616.88	4,545.23	13.23	21.17	-102.99	-492.59	-582.98	787.71	756.09	31.62	24.913		
4,800.00	4,769.13	4,723.25	4,649.47	13.60	21.70	-103.33	-503.82	-600.91	807.82	775.35	32.47	24.879		
4,900.00	4,867.80	4,824.00	4,748.32	13.98	22.19	-103.61	-513.46	-617.86	827.01	793.72	33.29	24.845		
5,000.00	4,966.48	4,906.34	4,829.02	14.36	22.60	-103.85	-522.15	-631.69	847.09	813.11	33.98	24.929		
5,100.00	5,065.15	5,004.21	4,924.85	14.75	23.09	-104.16	-533.41	-648.06	868.07	833.29	34.79	24.955		
5,200.00	5,163.82	5,110.80	5,029.36	15.13	23.61	-104.46	-544.78	-665.67	888.19	852.53	35.66	24.910		
5,300.00	5,262.50	5,202.02	5,118.80	15.52	24.07	-104.73	-554.75	-680.59	908.54	872.12	36.42	24.946		
5,400.00	5,361.17	5,302.67	5,217.43	15.92	24.56	-105.02	-566.15	-697.09	929.29	892.04	37.25	24.945		
5,500.00	5,459.85	5,402.99	5,315.89	16.32	25.05	-105.31	-576.90	-713.00	949.31	911.22	38.09	24.925		
5,600.00	5,558.52	5,491.40	5,402.61	16.71	25.49	-105.56	-586.88	-727.01	969.87	931.04	38.84	24.974		
5,700.00	5,657.20	5,585.68	5,494.91	17.12	25.96	-105.81	-598.20	-742.56	991.35	951.72	39.63	25.014		
5,800.00	5,755.87	5,697.36	5,604.26	17.52	26.52	-106.04	-610.78	-761.43	1,012.31	971.76	40.56	24.960		
5,900.00	5,854.54	5,803.52	5,708.41	17.93	27.04	-106.25	-621.46	-778.98	1,032.01	990.57	41.44	24.903		
6,000.00	5,953.22	5,901.60	5,804.68	18.34	27.52	-106.45	-631.19	-795.01	1,051.54	1,009.27	42.27	24.876		
6,100.00	6,051.89	6,011.25	5,912.36	18.75	28.05	-106.61	-640.85	-813.31	1,070.13	1,026.95	43.18	24.783		
6,200.00	6,150.57	6,118.15	6,017.42	19.16	28.56	-106.78	-649.83	-830.87	1,088.30	1,044.23	44.07	24.697		
6,300.00	6,249.24	6,215.63	6,113.49	19.57	29.02	-106.98	-657.62	-845.48	1,105.61	1,060.72	44.89	24.628		
6,400.00	6,347.92	6,302.06	6,198.49	19.99	29.43	-107.13	-664.95	-859.35	1,123.73	1,078.08	45.65	24.616		
6,500.00	6,446.59	6,408.80	6,303.39	20.41	29.94	-107.30	-674.51	-876.54	1,142.36	1,095.81	46.54	24.544		
6,600.00	6,545.26	6,505.39	6,398.42	20.82	30.40	-107.45	-682.58	-891.85	1,160.31	1,112.94	47.37	24.495		
6,700.00	6,643.94	6,619.58	6,510.93	21.24	30.93	-107.66	-691.64	-909.18	1,177.65	1,129.35	48.30	24.380		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ SUNSET 4-65 21-22 2AH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
6,800.00	6,742.61	6,712.49	6,602.59	21.66	31.35	-107.85	-698.71	-922.53	1,194.47	1,145.36	49.11	24.324		
6,900.00	6,841.29	6,804.12	6,692.76	22.09	31.78	-107.99	-706.46	-936.92	1,212.47	1,162.57	49.90	24.298		
7,000.00	6,939.96	6,905.91	6,793.31	22.51	32.24	-108.26	-714.75	-950.29	1,229.40	1,178.65	50.76	24.220		
7,100.00	7,038.64	6,985.45	6,871.47	22.93	32.62	-108.35	-721.81	-963.28	1,247.98	1,196.50	51.48	24.244		
7,200.00	7,137.31	7,082.53	6,966.66	23.36	33.10	-108.42	-730.49	-980.20	1,267.03	1,214.71	52.32	24.218		
7,300.00	7,235.99	7,178.57	7,060.83	23.78	33.57	-108.49	-739.34	-996.85	1,286.30	1,233.15	53.15	24.200		
7,400.00	7,334.66	7,270.74	7,151.45	24.21	34.00	-108.66	-748.64	-1,010.74	1,305.73	1,251.79	53.94	24.208		
7,444.84	7,378.91	7,309.43	7,189.70	24.40	34.17	-108.87	-753.67	-1,013.60	1,314.68	1,260.41	54.27	24.223		
7,450.00	7,383.99	7,355.82	7,235.65	24.42	34.31	-107.35	-759.92	-1,014.09	1,315.65	1,261.10	54.55	24.119		
7,500.00	7,432.91	7,568.53	7,442.96	24.66	34.70	-98.85	-781.60	-975.73	1,319.92	1,264.52	55.40	23.827		
7,550.00	7,480.84	7,622.84	7,494.03	24.93	34.74	-94.14	-785.49	-957.67	1,321.11	1,265.30	55.82	23.669		
7,600.00	7,527.44	7,664.40	7,532.24	25.23	34.76	-91.78	-788.70	-941.67	1,321.87	1,265.60	56.28	23.489		
7,650.00	7,572.35	7,704.18	7,567.85	25.57	34.77	-90.78	-791.95	-924.26	1,322.56	1,265.80	56.76	23.300		
7,700.00	7,615.21	7,733.52	7,593.30	25.94	34.78	-90.19	-794.43	-909.86	1,323.58	1,266.30	57.27	23.110		
7,750.00	7,655.72	7,753.96	7,610.56	26.35	34.78	-89.67	-796.20	-899.07	1,325.31	1,267.52	57.79	22.931		
7,800.00	7,693.55	7,767.85	7,622.10	26.80	34.78	-89.11	-797.42	-891.43	1,328.00	1,269.69	58.32	22.772		
7,850.00	7,728.43	7,776.14	7,628.92	27.29	34.78	-88.42	-798.15	-886.77	1,331.79	1,272.95	58.84	22.634		
7,900.00	7,760.08	7,779.64	7,631.78	27.82	34.78	-87.56	-798.45	-884.79	1,336.71	1,277.35	59.36	22.519		
7,950.00	7,788.27	7,779.07	7,631.32	28.40	34.78	-86.53	-798.40	-885.11	1,342.76	1,282.89	59.87	22.426		
8,000.00	7,812.78	7,775.06	7,628.03	29.02	34.78	-85.34	-798.05	-887.38	1,349.88	1,289.49	60.39	22.354		
8,050.00	7,833.42	7,768.12	7,622.32	29.69	34.78	-84.00	-797.44	-891.28	1,357.96	1,297.05	60.90	22.298		
8,100.00	7,850.04	7,755.00	7,611.43	30.41	34.78	-82.39	-796.29	-898.51	1,366.86	1,305.46	61.40	22.262		
8,150.00	7,862.51	7,755.00	7,611.43	31.16	34.78	-81.31	-796.29	-898.51	1,376.45	1,314.47	61.97	22.210		
8,200.00	7,870.73	7,736.79	7,596.08	31.94	34.78	-79.52	-794.71	-908.17	1,386.51	1,324.04	62.47	22.196		
8,250.00	7,874.65	7,724.21	7,585.30	32.75	34.78	-77.99	-793.64	-914.57	1,396.96	1,333.96	63.00	22.175		
8,270.17	7,875.00	7,718.84	7,580.66	33.09	34.77	-77.37	-793.18	-917.22	1,401.24	1,338.03	63.21	22.167		
8,300.00	7,875.00	7,710.98	7,573.82	33.59	34.77	-77.09	-792.52	-921.03	1,407.85	1,344.32	63.53	22.161		
8,400.00	7,875.00	7,687.23	7,552.83	35.34	34.77	-76.22	-790.55	-931.98	1,433.79	1,369.22	64.57	22.206		
8,500.00	7,875.00	7,666.00	7,533.70	37.22	34.76	-75.43	-788.83	-941.02	1,465.44	1,399.90	65.55	22.358		
8,600.00	7,875.00	7,646.26	7,515.66	39.18	34.75	-74.68	-787.28	-948.89	1,502.53	1,436.10	66.43	22.619		
8,700.00	7,875.00	7,627.67	7,498.51	41.23	34.74	-73.98	-785.86	-955.91	1,544.72	1,477.50	67.22	22.981		
8,800.00	7,875.00	7,610.93	7,482.93	43.36	34.73	-73.35	-784.61	-961.91	1,591.67	1,523.76	67.92	23.436		
8,900.00	7,875.00	7,577.00	7,451.00	45.54	34.71	-72.06	-782.20	-973.12	1,643.29	1,574.92	68.37	24.035		
9,000.00	7,875.00	7,577.00	7,451.00	47.77	34.71	-72.06	-782.20	-973.12	1,698.48	1,629.47	69.01	24.613		
9,100.00	7,875.00	7,577.00	7,451.00	50.06	34.71	-72.06	-782.20	-973.12	1,757.63	1,688.08	69.55	25.271		
9,200.00	7,875.00	7,548.73	7,424.10	52.38	34.68	-70.99	-780.12	-981.56	1,819.97	1,750.19	69.78	26.082		
9,300.00	7,875.00	7,533.45	7,409.47	54.73	34.66	-70.41	-778.89	-985.81	1,885.36	1,815.32	70.04	26.917		
9,400.00	7,875.00	7,519.63	7,396.20	57.12	34.64	-69.88	-777.71	-989.47	1,953.49	1,883.23	70.26	27.804		
9,500.00	7,875.00	7,507.07	7,384.10	59.53	34.63	-69.40	-776.59	-992.64	2,024.09	1,953.66	70.43	28.739		
9,600.00	7,875.00	7,488.00	7,365.66	61.96	34.61	-68.68	-774.79	-997.16	2,096.98	2,026.48	70.50	29.745		
9,700.00	7,875.00	7,488.00	7,365.66	64.42	34.61	-68.68	-774.79	-997.16	2,171.86	2,101.16	70.70	30.721		
9,800.00	7,875.00	7,488.00	7,365.66	66.89	34.61	-68.68	-774.79	-997.16	2,248.69	2,177.83	70.86	31.736		
9,900.00	7,875.00	7,488.00	7,365.66	69.38	34.61	-68.68	-774.79	-997.16	2,327.28	2,256.29	70.98	32.786		
10,000.00	7,875.00	7,488.00	7,365.66	71.89	34.61	-68.68	-774.79	-997.16	2,407.46	2,336.37	71.09	33.867		
10,100.00	7,875.00	7,488.00	7,365.66	74.41	34.61	-68.68	-774.79	-997.16	2,489.07	2,417.90	71.17	34.976		
10,200.00	7,875.00	7,488.00	7,365.66	76.94	34.61	-68.68	-774.79	-997.16	2,571.98	2,500.76	71.23	36.109		
10,300.00	7,875.00	7,454.06	7,332.61	79.48	34.55	-67.39	-771.35	-1,004.04	2,655.16	2,584.17	70.99	37.401		
10,400.00	7,875.00	7,450.01	7,328.65	82.03	34.54	-67.24	-770.92	-1,004.75	2,740.08	2,669.08	71.00	38.594		
10,500.00	7,875.00	7,446.23	7,324.94	84.59	34.53	-67.09	-770.52	-1,005.39	2,825.97	2,754.97	71.00	39.805		
10,600.00	7,875.00	7,442.70	7,321.48	87.16	34.53	-66.96	-770.14	-1,005.96	2,912.73	2,841.74	70.99	41.031		
10,700.00	7,875.00	7,439.39	7,318.22	89.73	34.52	-66.83	-769.78	-1,006.48	3,000.30	2,929.33	70.98	42.272		
10,800.00	7,875.00	7,436.27	7,315.17	92.31	34.51	-66.71	-769.44	-1,006.96	3,088.61	3,017.65	70.96	43.526		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ SUNSET 4-65 21-22 2AH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
10,900.00	7,875.00	7,433.34	7,312.29	94.90	34.51	-66.60	-769.12	-1,007.39	3,177.60	3,106.66	70.94	44.792		
11,000.00	7,875.00	7,399.00	7,278.42	97.49	34.45	-65.30	-765.23	-1,011.51	3,268.02	3,197.37	70.65	46.256		
11,100.00	7,875.00	7,399.00	7,278.42	100.09	34.45	-65.30	-765.23	-1,011.51	3,358.09	3,287.43	70.66	47.528		
11,200.00	7,875.00	7,399.00	7,278.42	102.69	34.45	-65.30	-765.23	-1,011.51	3,448.70	3,378.04	70.66	48.809		
11,300.00	7,875.00	7,399.00	7,278.42	105.30	34.45	-65.30	-765.23	-1,011.51	3,539.81	3,469.15	70.66	50.099		
11,400.00	7,875.00	7,399.00	7,278.42	107.91	34.45	-65.30	-765.23	-1,011.51	3,631.39	3,560.74	70.65	51.397		
11,500.00	7,875.00	7,399.00	7,278.42	110.53	34.45	-65.30	-765.23	-1,011.51	3,723.41	3,652.76	70.65	52.702		
11,600.00	7,875.00	7,399.00	7,278.42	113.15	34.45	-65.30	-765.23	-1,011.51	3,815.83	3,745.18	70.65	54.013		
11,700.00	7,875.00	7,399.00	7,278.42	115.77	34.45	-65.30	-765.23	-1,011.51	3,908.62	3,837.97	70.64	55.329		
11,800.00	7,875.00	7,399.00	7,278.42	118.40	34.45	-65.30	-765.23	-1,011.51	4,001.76	3,931.12	70.64	56.651		
11,900.00	7,875.00	7,399.00	7,278.42	121.03	34.45	-65.30	-765.23	-1,011.51	4,095.22	4,024.58	70.63	57.978		
12,000.00	7,875.00	7,399.00	7,278.42	123.66	34.45	-65.30	-765.23	-1,011.51	4,188.98	4,118.35	70.63	59.308		
12,100.00	7,875.00	7,399.00	7,278.42	126.29	34.45	-65.30	-765.23	-1,011.51	4,283.03	4,212.40	70.63	60.642		
12,200.00	7,875.00	7,399.00	7,278.42	128.93	34.45	-65.30	-765.23	-1,011.51	4,377.34	4,306.71	70.63	61.980		
12,300.00	7,875.00	7,399.00	7,278.42	131.57	34.45	-65.30	-765.23	-1,011.51	4,471.90	4,401.27	70.62	63.320		
12,400.00	7,875.00	7,399.00	7,278.42	134.21	34.45	-65.30	-765.23	-1,011.51	4,566.68	4,496.06	70.62	64.663		
12,500.00	7,875.00	7,399.00	7,278.42	136.85	34.45	-65.30	-765.23	-1,011.51	4,661.69	4,591.07	70.62	66.008		
12,600.00	7,875.00	7,399.00	7,278.42	139.49	34.45	-65.30	-765.23	-1,011.51	4,756.90	4,686.28	70.62	67.355		
12,700.00	7,875.00	7,399.00	7,278.42	142.14	34.45	-65.30	-765.23	-1,011.51	4,852.31	4,781.68	70.63	68.704		
12,800.00	7,875.00	7,399.00	7,278.42	144.79	34.45	-65.30	-765.23	-1,011.51	4,947.89	4,877.26	70.63	70.054		
12,900.00	7,875.00	7,399.00	7,278.42	147.44	34.45	-65.30	-765.23	-1,011.51	5,043.65	4,973.02	70.63	71.405		
13,000.00	7,875.00	7,399.00	7,278.42	150.09	34.45	-65.30	-765.23	-1,011.51	5,139.57	5,068.93	70.64	72.758		
13,100.00	7,875.00	7,399.00	7,278.42	152.74	34.45	-65.30	-765.23	-1,011.51	5,235.64	5,164.99	70.65	74.110		
13,200.00	7,875.00	7,399.00	7,278.42	155.39	34.45	-65.30	-765.23	-1,011.51	5,331.85	5,261.20	70.65	75.464		
13,300.00	7,875.00	7,399.00	7,278.42	158.05	34.45	-65.30	-765.23	-1,011.51	5,428.21	5,357.54	70.66	76.817		
13,400.00	7,875.00	7,399.00	7,278.42	160.70	34.45	-65.30	-765.23	-1,011.51	5,524.69	5,454.01	70.67	78.171		
13,500.00	7,875.00	7,399.00	7,278.42	163.36	34.45	-65.30	-765.23	-1,011.51	5,621.29	5,550.61	70.69	79.524		
13,600.00	7,875.00	7,399.00	7,278.42	166.02	34.45	-65.30	-765.23	-1,011.51	5,718.02	5,647.32	70.70	80.878		
13,700.00	7,875.00	7,399.00	7,278.42	168.68	34.45	-65.30	-765.23	-1,011.51	5,814.85	5,744.14	70.71	82.231		
13,800.00	7,875.00	7,399.00	7,278.42	171.34	34.45	-65.30	-765.23	-1,011.51	5,911.79	5,841.06	70.73	83.583		
13,900.00	7,875.00	7,399.00	7,278.42	174.00	34.45	-65.30	-765.23	-1,011.51	6,008.83	5,938.08	70.75	84.935		
14,000.00	7,875.00	7,399.00	7,278.42	176.66	34.45	-65.30	-765.23	-1,011.51	6,105.96	6,035.20	70.76	86.286		
14,100.00	7,875.00	7,399.00	7,278.42	179.33	34.45	-65.30	-765.23	-1,011.51	6,203.19	6,132.40	70.78	87.636		
14,200.00	7,875.00	7,399.00	7,278.42	181.99	34.45	-65.30	-765.23	-1,011.51	6,300.50	6,229.69	70.80	88.985		
14,300.00	7,875.00	7,399.00	7,278.42	184.66	34.45	-65.30	-765.23	-1,011.51	6,397.89	6,327.07	70.83	90.333		
14,400.00	7,875.00	7,399.00	7,278.42	187.32	34.45	-65.30	-765.23	-1,011.51	6,495.37	6,424.52	70.85	91.680		
14,500.00	7,875.00	7,399.00	7,278.42	189.99	34.45	-65.30	-765.23	-1,011.51	6,592.92	6,522.04	70.87	93.025		
14,600.00	7,875.00	7,399.00	7,278.42	192.66	34.45	-65.30	-765.23	-1,011.51	6,690.54	6,619.64	70.90	94.369		
14,700.00	7,875.00	7,399.00	7,278.42	195.32	34.45	-65.30	-765.23	-1,011.51	6,788.23	6,717.31	70.92	95.711		
14,800.00	7,875.00	7,399.00	7,278.42	197.99	34.45	-65.30	-765.23	-1,011.51	6,885.99	6,815.04	70.95	97.052		
14,900.00	7,875.00	7,399.00	7,278.42	200.66	34.45	-65.30	-765.23	-1,011.51	6,983.81	6,912.83	70.98	98.391		
15,000.00	7,875.00	7,399.00	7,278.42	203.33	34.45	-65.30	-765.23	-1,011.51	7,081.69	7,010.68	71.01	99.728		
15,100.00	7,875.00	7,399.00	7,278.42	206.00	34.45	-65.30	-765.23	-1,011.51	7,179.63	7,108.59	71.04	101.064		
15,200.00	7,875.00	7,399.00	7,278.42	208.67	34.45	-65.30	-765.23	-1,011.51	7,277.63	7,206.55	71.07	102.397		
15,300.00	7,875.00	7,399.00	7,278.42	211.34	34.45	-65.30	-765.23	-1,011.51	7,375.68	7,304.57	71.11	103.729		
15,400.00	7,875.00	7,399.00	7,278.42	214.01	34.45	-65.30	-765.23	-1,011.51	7,473.78	7,402.64	71.14	105.058		
15,500.00	7,875.00	7,399.00	7,278.42	216.69	34.45	-65.30	-765.23	-1,011.51	7,571.93	7,500.76	71.17	106.385		
15,600.00	7,875.00	7,399.00	7,278.42	219.36	34.45	-65.30	-765.23	-1,011.51	7,670.13	7,598.92	71.21	107.710		
15,700.00	7,875.00	7,399.00	7,278.42	222.03	34.45	-65.30	-765.23	-1,011.51	7,768.38	7,697.13	71.25	109.033		
15,800.00	7,875.00	7,399.00	7,278.42	224.71	34.45	-65.30	-765.23	-1,011.51	7,866.66	7,795.38	71.29	110.354		
15,900.00	7,875.00	7,399.00	7,278.42	227.38	34.45	-65.30	-765.23	-1,011.51	7,965.00	7,893.67	71.33	111.672		
16,000.00	7,875.00	7,399.00	7,278.42	230.05	34.45	-65.30	-765.23	-1,011.51	8,063.37	7,992.00	71.37	112.987		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													SEC 21-T4S-R65W - EXIST HZ SUNSET 4-65 21-22 2AH - OWB - FINAL SURVEY		Offset Site Error:		0.00 usft	
Survey Program: 29-MWD OWSG													Offset Well Error:		0.00 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)	Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor						
16,100.00	7,875.00	7,399.00	7,278.42	232.73	34.45	-65.30	-765.23	-1,011.51	8,161.78	8,090.38	71.41	114.301						
16,200.00	7,875.00	7,399.00	7,278.42	235.40	34.45	-65.30	-765.23	-1,011.51	8,260.23	8,188.78	71.45	115.611						
16,300.00	7,875.00	7,399.00	7,278.42	238.08	34.45	-65.30	-765.23	-1,011.51	8,358.72	8,287.23	71.49	116.919						
16,400.00	7,875.00	7,399.00	7,278.42	240.76	34.45	-65.30	-765.23	-1,011.51	8,457.24	8,385.71	71.54	118.225						
16,500.00	7,875.00	7,399.00	7,278.42	243.43	34.45	-65.30	-765.23	-1,011.51	8,555.80	8,484.22	71.58	119.527						
16,600.00	7,875.00	7,399.00	7,278.42	246.11	34.45	-65.30	-765.23	-1,011.51	8,654.39	8,582.76	71.63	120.828						
16,700.00	7,875.00	7,399.00	7,278.42	248.78	34.45	-65.30	-765.23	-1,011.51	8,753.01	8,681.34	71.67	122.125						
16,800.00	7,875.00	7,399.00	7,278.42	251.46	34.45	-65.30	-765.23	-1,011.51	8,851.67	8,779.95	71.72	123.419						
16,900.00	7,875.00	7,399.00	7,278.42	254.14	34.45	-65.30	-765.23	-1,011.51	8,950.35	8,878.58	71.77	124.711						
17,000.00	7,875.00	7,399.00	7,278.42	256.82	34.45	-65.30	-765.23	-1,011.51	9,049.06	8,977.24	71.82	126.000						
17,100.00	7,875.00	7,399.00	7,278.42	259.50	34.45	-65.30	-765.23	-1,011.51	9,147.80	9,075.93	71.87	127.286						
17,200.00	7,875.00	7,399.00	7,278.42	262.17	34.45	-65.30	-765.23	-1,011.51	9,246.57	9,174.65	71.92	128.569						
17,300.00	7,875.00	7,399.00	7,278.42	264.85	34.45	-65.30	-765.23	-1,011.51	9,345.36	9,273.39	71.97	129.849						
17,400.00	7,875.00	7,399.00	7,278.42	267.53	34.45	-65.30	-765.23	-1,011.51	9,444.18	9,372.16	72.02	131.126						
17,500.00	7,875.00	7,399.00	7,278.42	270.21	34.45	-65.30	-765.23	-1,011.51	9,543.02	9,470.95	72.08	132.399						
17,600.00	7,875.00	7,399.00	7,278.42	272.89	34.45	-65.30	-765.23	-1,011.51	9,641.89	9,569.76	72.13	133.670						
17,700.00	7,875.00	7,399.00	7,278.42	275.57	34.45	-65.30	-765.23	-1,011.51	9,740.78	9,668.59	72.19	134.938						
17,800.00	7,875.00	7,399.00	7,278.42	278.25	34.45	-65.30	-765.23	-1,011.51	9,839.69	9,767.45	72.24	136.203						
17,900.00	7,875.00	7,399.00	7,278.42	280.93	34.45	-65.30	-765.23	-1,011.51	9,938.63	9,866.33	72.30	137.464						

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ SUNSET 4-65 21-22 3AH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 90-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	-173.72	-3,033.24	-333.79	3,051.82					
29.48	29.48	0.00	0.00	0.02	0.00	-0.87	-3,033.24	-333.79	3,051.46					
60.08	60.08	44.25	44.25	0.12	0.06	11.01	-3,033.04	-333.93	3,051.22	3,051.04	0.18	N/A		
121.28	121.28	140.94	140.92	0.33	0.31	-178.27	-3,031.40	-334.98	3,050.54	3,049.91	0.63	4,805.862		
151.88	151.88	197.33	197.28	0.44	0.51	95.93	-3,029.96	-335.75	3,050.03	3,049.09	0.94	3,228.316		
182.48	182.47	239.19	239.12	0.55	0.66	-21.13	-3,028.62	-336.41	3,049.12	3,047.92	1.21	2,529.767		
213.08	213.07	275.96	275.87	0.65	0.79	-9.50	-3,027.35	-336.91	3,048.00	3,046.55	1.45	2,108.028		
243.68	243.67	296.99	296.87	0.76	0.87	-54.47	-3,026.64	-337.16	3,046.86	3,045.23	1.63	1,871.580		
286.38	286.37	329.44	329.31	0.91	0.98	-12.43	-3,025.67	-337.42	3,045.33	3,043.44	1.89	1,607.650		
329.08	329.07	366.67	366.53	1.06	1.12	-23.10	-3,024.67	-337.55	3,043.76	3,041.58	2.18	1,396.713		
371.78	371.77	410.42	410.26	1.22	1.27	-46.40	-3,023.53	-337.56	3,042.24	3,039.76	2.49	1,223.367		
414.48	414.46	454.90	454.73	1.36	1.43	-155.69	-3,022.36	-337.63	3,041.30	3,038.50	2.79	1,089.006		
442.56	442.53	492.38	492.19	1.46	1.57	-168.71	-3,021.29	-337.73	3,041.13	3,038.11	3.02	1,006.087		
457.18	457.15	514.48	514.28	1.51	1.65	-171.52	-3,020.60	-337.73	3,041.17	3,038.02	3.15	965.031		
499.88	499.81	563.22	562.99	1.66	1.82	179.19	-3,018.96	-337.63	3,041.59	3,038.12	3.47	875.859		
542.58	542.45	622.37	622.11	1.81	2.04	178.44	-3,016.80	-337.56	3,042.34	3,038.50	3.83	793.920		
585.28	585.08	686.56	686.23	1.96	2.27	179.61	-3,014.02	-337.18	3,042.91	3,038.70	4.21	722.849		
627.98	627.70	738.61	738.22	2.11	2.46	-179.44	-3,011.59	-336.34	3,043.30	3,038.76	4.54	669.690		
670.68	670.32	836.51	835.93	2.26	2.81	-178.20	-3,005.91	-334.42	3,043.41	3,038.37	5.04	603.581		
713.38	712.90	861.39	860.76	2.41	2.90	-173.47	-3,004.36	-334.07	3,043.83	3,038.54	5.28	576.089		
756.08	755.45	900.13	899.43	2.57	3.05	-174.97	-3,002.04	-333.66	3,044.82	3,039.24	5.57	546.157		
798.78	797.96	927.00	926.25	2.73	3.14	-171.49	-3,000.45	-333.45	3,046.31	3,040.48	5.82	523.015		
841.48	840.50	946.44	945.67	2.88	3.22	-164.87	-2,999.45	-333.37	3,047.65	3,041.60	6.05	503.974		
884.18	883.12	966.30	965.51	3.04	3.29	-162.74	-2,998.58	-333.34	3,048.37	3,042.10	6.27	486.097		
926.88	925.77	986.56	985.76	3.19	3.36	-162.22	-2,997.83	-333.37	3,048.73	3,042.24	6.50	469.315		
969.58	968.44	998.98	998.17	3.34	3.41	-165.41	-2,997.44	-333.41	3,048.94	3,042.25	6.69	455.579		
1,012.28	1,011.13	1,026.93	1,026.11	3.50	3.51	-166.42	-2,996.77	-333.51	3,048.90	3,041.96	6.94	439.069		
1,054.98	1,053.83	1,041.64	1,040.82	3.65	3.56	-155.94	-2,996.53	-333.57	3,048.74	3,041.60	7.15	426.564		
1,097.68	1,096.53	1,072.08	1,071.26	3.80	3.67	-74.17	-2,996.24	-333.74	3,048.53	3,041.13	7.40	411.757		
1,140.38	1,139.23	1,113.90	1,113.07	3.94	3.81	-23.18	-2,996.07	-334.00	3,048.19	3,040.49	7.70	395.978		
1,183.08	1,181.92	1,164.01	1,163.19	4.09	3.99	-40.09	-2,995.74	-334.10	3,047.60	3,039.58	8.02	379.853		
1,225.78	1,224.62	1,207.32	1,206.50	4.23	4.14	-51.41	-2,995.41	-334.18	3,047.02	3,038.69	8.33	365.987		
1,268.48	1,267.32	1,268.48	1,254.95	4.38	4.36	-16.62	-2,994.94	-334.41	3,046.18	3,037.49	8.69	350.481		
1,311.18	1,310.01	1,286.70	1,285.87	4.53	4.42	-15.83	-2,994.66	-334.69	3,045.14	3,036.24	8.90	342.100		
1,353.88	1,352.71	1,353.88	1,333.46	4.67	4.66	-18.77	-2,994.32	-334.97	3,044.11	3,034.83	9.29	327.790		
1,396.58	1,395.40	1,378.78	1,377.94	4.82	4.75	-20.57	-2,993.92	-335.01	3,042.93	3,033.40	9.52	319.509		
1,439.28	1,438.09	1,415.66	1,414.82	4.96	4.88	-16.61	-2,993.68	-334.97	3,041.78	3,031.97	9.80	310.294		
1,481.98	1,480.78	1,456.52	1,455.68	5.11	5.03	-20.55	-2,993.47	-334.92	3,040.60	3,030.51	10.10	301.166		
1,524.68	1,523.46	1,494.33	1,493.49	5.26	5.16	-21.89	-2,993.31	-334.81	3,039.32	3,028.94	10.38	292.852		
1,567.38	1,566.14	1,560.48	1,559.64	5.41	5.39	-21.79	-2,992.89	-334.64	3,037.88	3,027.12	10.76	282.235		
1,610.08	1,608.83	1,594.75	1,593.90	5.56	5.52	-9.45	-2,992.56	-334.50	3,036.44	3,025.40	11.03	275.193		
1,652.78	1,651.52	1,669.09	1,668.24	5.70	5.78	15.09	-2,991.43	-334.37	3,035.07	3,023.62	11.45	265.098		
1,695.48	1,694.22	1,713.45	1,712.60	5.85	5.94	20.48	-2,990.57	-334.39	3,033.79	3,022.03	11.76	258.066		
1,738.18	1,736.92	1,758.87	1,758.00	6.00	6.10	33.79	-2,989.66	-334.41	3,032.44	3,020.37	12.07	251.308		
1,780.88	1,779.61	1,801.73	1,800.85	6.15	6.26	30.20	-2,988.78	-334.42	3,031.08	3,018.71	12.37	245.068		
1,823.58	1,822.31	1,839.53	1,838.64	6.30	6.39	22.68	-2,988.03	-334.36	3,029.73	3,017.08	12.65	239.464		
1,866.28	1,865.00	1,889.68	1,888.78	6.45	6.57	18.38	-2,987.07	-334.20	3,028.26	3,015.28	12.98	233.290		
1,908.98	1,907.69	1,926.09	1,925.18	6.59	6.70	21.48	-2,986.33	-334.06	3,026.63	3,013.37	13.26	228.253		
1,951.68	1,950.39	1,962.48	1,961.57	6.74	6.83	22.56	-2,985.69	-333.88	3,025.07	3,011.53	13.54	223.436		
1,994.38	1,993.08	1,994.44	1,993.52	6.89	6.95	22.18	-2,985.22	-333.54	3,023.54	3,009.74	13.80	219.081		
2,037.08	2,035.77	2,022.82	2,021.90	7.04	7.05	20.09	-2,984.95	-333.12	3,022.18	3,008.13	14.05	215.109		
2,079.78	2,078.46	2,051.72	2,050.80	7.19	7.14	26.63	-2,984.82	-332.66	3,021.04	3,006.74	14.30	211.292		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ SUNSET 4-65 21-22 3AH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 90-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
2,122.48	2,121.15	2,087.17	2,086.24	7.34	7.27	22.63	-2,984.78	-332.15	3,020.11	3,005.54	14.57	207.300		
2,165.18	2,163.84	2,129.55	2,128.63	7.49	7.41	21.11	-2,984.77	-331.70	3,019.29	3,004.43	14.86	203.129		
2,200.00	2,198.65	2,167.01	2,166.07	7.55	7.54	21.11	-2,984.74	-331.21	3,018.61	3,003.55	15.05	200.509		
2,220.18	2,218.83	2,189.02	2,188.09	7.55	7.62	21.11	-2,984.70	-330.98	3,018.19	3,003.06	15.13	199.459		
2,300.00	2,298.64	2,283.73	2,282.80	7.56	7.95	-83.91	-2,984.15	-331.03	3,016.98	3,001.50	15.47	194.977		
2,400.00	2,398.59	2,611.06	2,609.29	7.59	9.12	-111.58	-2,969.64	-345.60	3,015.36	2,998.73	16.64	181.254		
2,500.00	2,498.36	2,791.69	2,787.92	7.64	9.80	-116.79	-2,949.58	-363.30	3,007.89	2,990.58	17.32	173.708		
2,600.00	2,597.86	2,983.41	2,976.18	7.71	10.56	-118.90	-2,922.55	-387.24	2,999.80	2,981.74	18.06	166.085		
2,700.00	2,696.94	3,104.41	3,094.21	7.79	11.06	-120.09	-2,902.91	-405.27	2,991.88	2,973.27	18.61	160.748		
2,730.19	2,726.76	3,132.23	3,121.33	7.83	11.18	-120.37	-2,898.34	-409.48	2,989.83	2,971.08	18.76	159.414		
2,800.00	2,795.64	3,209.10	3,196.31	7.91	11.51	-120.33	-2,885.74	-420.81	2,985.31	2,966.17	19.14	155.978		
2,900.00	2,894.31	3,311.70	3,296.39	8.05	11.95	-120.28	-2,868.60	-435.56	2,978.45	2,958.76	19.69	151.292		
3,000.00	2,992.99	3,443.87	3,425.19	8.22	12.54	-120.23	-2,845.83	-454.49	2,971.07	2,950.70	20.36	145.906		
3,100.00	3,091.66	3,516.00	3,495.47	8.40	12.86	-120.19	-2,833.44	-464.97	2,963.74	2,942.88	20.86	142.109		
3,200.00	3,190.34	3,627.32	3,603.98	8.61	13.37	-120.14	-2,814.30	-480.83	2,956.37	2,934.87	21.51	137.464		
3,300.00	3,289.01	3,761.89	3,734.93	8.83	13.99	-120.07	-2,790.33	-500.46	2,948.44	2,926.18	22.26	132.428		
3,400.00	3,387.69	3,855.92	3,826.25	9.07	14.43	-120.01	-2,773.12	-514.85	2,940.09	2,917.19	22.90	128.381		
3,500.00	3,486.36	3,956.55	3,924.00	9.33	14.91	-119.95	-2,754.63	-530.03	2,931.67	2,908.09	23.58	124.331		
3,600.00	3,585.03	4,050.55	4,015.36	9.60	15.36	-119.89	-2,737.59	-544.10	2,923.46	2,899.21	24.25	120.557		
3,700.00	3,683.71	4,147.40	4,109.48	9.88	15.83	-119.83	-2,720.07	-558.71	2,915.33	2,890.38	24.95	116.867		
3,800.00	3,782.38	4,241.98	4,201.46	10.18	16.29	-119.77	-2,703.14	-572.81	2,907.36	2,881.71	25.65	113.367		
3,900.00	3,881.06	4,325.85	4,283.20	10.48	16.69	-119.74	-2,688.45	-584.51	2,899.69	2,873.37	26.31	110.196		
4,000.00	3,979.73	4,447.50	4,401.75	10.80	17.28	-119.68	-2,667.40	-601.84	2,892.31	2,865.18	27.14	106.588		
4,100.00	4,078.41	4,544.82	4,496.38	11.13	17.75	-119.63	-2,649.87	-616.36	2,884.25	2,856.36	27.88	103.444		
4,200.00	4,177.08	4,649.93	4,598.58	11.46	18.27	-119.56	-2,630.89	-631.89	2,876.11	2,847.44	28.67	100.325		
4,300.00	4,275.76	4,747.62	4,693.58	11.80	18.76	-119.51	-2,613.22	-646.27	2,867.96	2,838.52	29.43	97.434		
4,400.00	4,374.43	4,844.52	4,787.82	12.15	19.24	-119.45	-2,595.75	-660.50	2,859.86	2,829.65	30.21	94.675		
4,500.00	4,473.10	4,937.93	4,878.71	12.51	19.70	-119.40	-2,579.09	-674.18	2,851.94	2,820.96	30.97	92.076		
4,600.00	4,571.78	5,026.84	4,965.19	12.87	20.15	-119.34	-2,563.39	-687.63	2,844.28	2,812.55	31.73	89.633		
4,700.00	4,670.45	5,118.32	5,054.12	13.23	20.61	-119.27	-2,547.59	-702.11	2,837.07	2,804.56	32.51	87.264		
4,800.00	4,769.13	5,215.42	5,148.54	13.60	21.10	-119.19	-2,530.89	-717.42	2,829.95	2,796.63	33.32	84.935		
4,900.00	4,867.80	5,314.50	5,244.93	13.98	21.60	-119.12	-2,513.99	-732.98	2,822.96	2,788.82	34.14	82.688		
5,000.00	4,966.48	5,424.14	5,351.52	14.36	22.15	-119.03	-2,495.08	-750.31	2,815.80	2,780.79	35.01	80.428		
5,100.00	5,065.15	5,522.81	5,447.34	14.75	22.66	-118.94	-2,477.82	-766.30	2,808.45	2,772.61	35.85	78.349		
5,200.00	5,163.82	5,625.95	5,547.42	15.13	23.19	-118.84	-2,459.59	-783.28	2,800.95	2,764.24	36.71	76.307		
5,300.00	5,262.50	5,699.41	5,618.87	15.52	23.57	-118.78	-2,447.05	-794.88	2,793.99	2,756.54	37.45	74.613		
5,400.00	5,361.17	5,799.26	5,716.15	15.92	24.07	-118.71	-2,430.50	-810.18	2,787.46	2,749.17	38.29	72.795		
5,500.00	5,459.85	5,899.01	5,803.59	16.32	24.52	-118.65	-2,415.81	-824.02	2,781.16	2,742.06	39.10	71.130		
5,600.00	5,558.52	5,985.00	5,897.21	16.71	25.00	-118.59	-2,400.38	-838.59	2,775.11	2,735.17	39.93	69.492		
5,700.00	5,657.20	6,078.44	5,988.38	17.12	25.47	-118.53	-2,385.42	-852.58	2,769.12	2,728.37	40.76	67.939		
5,800.00	5,755.87	6,174.86	6,082.66	17.52	25.95	-118.49	-2,370.69	-866.37	2,763.75	2,722.16	41.59	66.445		
5,900.00	5,854.54	6,306.51	6,210.86	17.93	26.61	-118.39	-2,348.75	-886.77	2,757.07	2,714.48	42.59	64.738		
6,000.00	5,953.22	6,406.24	6,307.86	18.34	27.13	-118.30	-2,331.87	-902.63	2,750.29	2,706.83	43.46	63.284		
6,100.00	6,051.89	6,517.33	6,415.89	18.75	27.70	-118.21	-2,312.81	-920.17	2,743.27	2,698.89	44.38	61.813		
6,200.00	6,150.57	6,624.66	6,520.29	19.16	28.25	-118.13	-2,294.21	-936.73	2,736.04	2,690.76	45.28	60.419		
6,300.00	6,249.24	6,722.17	6,615.13	19.57	28.76	-118.06	-2,276.94	-951.42	2,728.39	2,682.24	46.15	59.120		
6,400.00	6,347.92	6,809.53	6,700.15	19.99	29.21	-117.99	-2,262.00	-964.80	2,721.35	2,674.38	46.98	57.929		
6,500.00	6,446.59	6,907.35	6,795.40	20.41	29.71	-117.92	-2,245.35	-979.62	2,714.41	2,666.56	47.85	56.730		
6,600.00	6,545.26	7,036.83	6,921.46	20.82	30.37	-117.84	-2,223.03	-999.01	2,707.28	2,658.44	48.84	55.428		
6,700.00	6,643.94	7,155.93	7,037.40	21.24	30.98	-117.77	-2,201.57	-1,015.75	2,699.22	2,649.43	49.79	54.216		
6,800.00	6,742.61	7,367.27	7,243.78	21.66	31.92	-118.15	-2,159.38	-1,021.83	2,686.12	2,635.32	50.80	52.874		
6,900.00	6,841.29	7,436.39	7,311.20	22.09	32.13	-118.51	-2,147.35	-1,012.74	2,674.06	2,622.67	51.39	52.030		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ SUNSET 4-65 21-22 3AH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 90-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
7,000.00	6,939.96	7,651.94	7,509.36	22.51	32.54	-120.64	-2,114.01	-937.10	2,659.12	2,607.36	51.76	51.371		
7,100.00	7,038.64	8,014.00	7,764.27	22.93	32.68	-126.70	-2,066.88	-691.11	2,642.46	2,590.52	51.95	50.870		
7,200.00	7,137.31	8,014.00	7,764.27	23.36	32.68	-126.70	-2,066.88	-691.11	2,624.54	2,571.96	52.58	49.914		
7,300.00	7,235.99	8,045.11	7,779.18	23.78	32.67	-127.33	-2,063.32	-664.04	2,609.64	2,556.42	53.22	49.036		
7,400.00	7,334.66	8,054.27	7,783.38	24.21	32.67	-127.52	-2,062.51	-655.95	2,598.69	2,544.92	53.77	48.327		
7,444.84	7,378.91	8,058.19	7,785.16	24.40	32.67	-127.61	-2,062.19	-652.46	2,594.98	2,540.97	54.00	48.052		
7,450.00	7,383.99	8,058.63	7,785.36	24.42	32.67	-125.84	-2,062.16	-652.07	2,594.60	2,540.57	54.03	48.022		
7,500.00	7,432.91	8,062.24	7,786.98	24.66	32.66	-114.56	-2,061.89	-648.86	2,591.47	2,537.18	54.28	47.739		
7,550.00	7,480.84	8,064.68	7,788.07	24.93	32.66	-108.84	-2,061.72	-646.68	2,589.35	2,534.80	54.55	47.469		
7,600.00	7,527.44	8,066.00	7,788.65	25.23	32.66	-105.44	-2,061.63	-645.50	2,588.28	2,533.46	54.82	47.215		
7,625.47	7,550.55	8,066.26	7,788.76	25.40	32.66	-104.17	-2,061.61	-645.27	2,588.14	2,533.18	54.97	47.087 CC		
7,650.00	7,572.35	8,066.24	7,788.75	25.57	32.66	-103.14	-2,061.62	-645.29	2,588.27	2,533.17	55.10	46.975 ES		
7,700.00	7,615.21	8,065.43	7,788.40	25.94	32.66	-101.42	-2,061.67	-646.01	2,589.32	2,533.93	55.39	46.747		
7,750.00	7,655.72	8,063.64	7,787.60	26.35	32.66	-100.01	-2,061.79	-647.61	2,591.43	2,535.73	55.69	46.529		
7,800.00	7,693.55	8,060.92	7,786.38	26.80	32.66	-98.76	-2,061.99	-650.04	2,594.55	2,538.53	56.02	46.318		
7,850.00	7,728.43	8,057.32	7,784.77	27.29	32.67	-97.61	-2,062.26	-653.24	2,598.65	2,542.30	56.36	46.109		
7,900.00	7,760.08	8,052.91	7,782.76	27.82	32.67	-96.49	-2,062.62	-657.15	2,603.69	2,546.96	56.73	45.899		
7,950.00	7,788.27	8,047.75	7,780.40	28.40	32.67	-95.39	-2,063.07	-661.72	2,609.59	2,552.47	57.12	45.685		
8,000.00	7,812.78	8,014.00	7,764.27	29.02	32.68	-93.78	-2,066.88	-691.11	2,616.97	2,559.51	57.46	45.542		
8,050.00	7,833.42	8,014.00	7,764.27	29.69	32.68	-92.81	-2,066.88	-691.11	2,624.11	2,566.17	57.94	45.290		
8,100.00	7,850.04	8,014.00	7,764.27	30.41	32.68	-91.84	-2,066.88	-691.11	2,631.94	2,573.49	58.45	45.028		
8,150.00	7,862.51	8,014.00	7,764.27	31.16	32.68	-90.86	-2,066.88	-691.11	2,640.38	2,581.39	58.99	44.756		
8,200.00	7,870.73	8,014.00	7,764.27	31.94	32.68	-89.86	-2,066.88	-691.11	2,649.38	2,589.81	59.57	44.479		
8,250.00	7,874.65	7,986.17	7,750.07	32.75	32.68	-88.54	-2,070.67	-714.74	2,658.61	2,598.50	60.11	44.230		
8,270.17	7,875.00	7,976.37	7,744.86	33.09	32.68	-88.04	-2,072.02	-722.93	2,662.34	2,602.00	60.34	44.126		
8,300.00	7,875.00	7,962.02	7,737.02	33.59	32.69	-87.87	-2,074.01	-734.78	2,667.95	2,607.28	60.68	43.971		
8,400.00	7,875.00	7,924.00	7,715.13	35.34	32.69	-87.40	-2,079.37	-765.40	2,688.20	2,626.31	61.88	43.440		
8,500.00	7,875.00	7,874.71	7,683.88	37.22	32.68	-86.72	-2,086.34	-802.85	2,710.68	2,647.52	63.17	42.913		
8,600.00	7,875.00	7,842.06	7,661.26	39.18	32.68	-86.24	-2,090.86	-825.96	2,735.61	2,671.12	64.49	42.417		
8,700.00	7,875.00	7,777.73	7,613.08	41.23	32.64	-85.21	-2,099.08	-867.75	2,762.79	2,696.98	65.81	41.978		
8,800.00	7,875.00	7,746.00	7,587.92	43.36	32.63	-84.68	-2,102.57	-886.74	2,792.09	2,724.91	67.17	41.565		
8,900.00	7,875.00	7,718.96	7,565.87	45.54	32.60	-84.21	-2,105.53	-902.11	2,824.04	2,755.50	68.54	41.202		
9,000.00	7,875.00	7,701.34	7,551.26	47.77	32.59	-83.90	-2,107.60	-911.74	2,858.81	2,788.91	69.91	40.893		
9,100.00	7,875.00	7,657.00	7,513.71	50.06	32.55	-83.12	-2,113.31	-934.62	2,896.74	2,825.54	71.20	40.686		
9,200.00	7,875.00	7,657.00	7,513.71	52.38	32.55	-83.12	-2,113.31	-934.62	2,936.53	2,863.99	72.54	40.479		
9,300.00	7,875.00	7,657.00	7,513.71	54.73	32.55	-83.12	-2,113.31	-934.62	2,979.14	2,905.29	73.85	40.339		
9,400.00	7,875.00	7,657.00	7,513.71	57.12	32.55	-83.12	-2,113.31	-934.62	3,024.47	2,949.35	75.12	40.262		
9,500.00	7,875.00	7,657.00	7,513.71	59.53	32.55	-83.12	-2,113.31	-934.62	3,072.38	2,996.04	76.34	40.246 SF		
9,600.00	7,875.00	7,620.36	7,481.84	61.96	32.49	-82.45	-2,118.61	-951.90	3,121.83	3,044.37	77.46	40.302		
9,700.00	7,875.00	7,610.15	7,472.82	64.42	32.48	-82.27	-2,120.18	-956.42	3,173.96	3,095.39	78.58	40.393		
9,800.00	7,875.00	7,568.00	7,435.01	66.89	32.42	-81.49	-2,127.14	-973.68	3,228.95	3,149.37	79.58	40.572		
9,900.00	7,875.00	7,568.00	7,435.01	69.38	32.42	-81.49	-2,127.14	-973.68	3,284.88	3,204.25	80.63	40.740		
10,000.00	7,875.00	7,568.00	7,435.01	71.89	32.42	-81.49	-2,127.14	-973.68	3,342.86	3,261.23	81.63	40.953		
10,100.00	7,875.00	7,568.00	7,435.01	74.41	32.42	-81.49	-2,127.14	-973.68	3,402.79	3,320.22	82.57	41.209		
10,200.00	7,875.00	7,568.00	7,435.01	76.94	32.42	-81.49	-2,127.14	-973.68	3,464.57	3,381.10	83.48	41.503		
10,300.00	7,875.00	7,568.00	7,435.01	79.48	32.42	-81.49	-2,127.14	-973.68	3,528.11	3,443.77	84.34	41.834		
10,400.00	7,875.00	7,568.00	7,435.01	82.03	32.42	-81.49	-2,127.14	-973.68	3,593.31	3,508.16	85.15	42.200		
10,500.00	7,875.00	7,530.55	7,400.64	84.59	32.35	-80.79	-2,133.36	-987.16	3,659.45	3,573.58	85.87	42.615		
10,600.00	7,875.00	7,520.51	7,391.30	87.16	32.33	-80.60	-2,134.93	-990.47	3,727.31	3,640.72	86.59	43.043		
10,700.00	7,875.00	7,511.20	7,382.58	89.73	32.31	-80.43	-2,136.36	-993.44	3,796.51	3,709.23	87.28	43.498		
10,800.00	7,875.00	7,479.00	7,352.14	92.31	32.24	-79.81	-2,141.02	-1,002.85	3,867.24	3,779.36	87.88	44.007		
10,900.00	7,875.00	7,479.00	7,352.14	94.90	32.24	-79.81	-2,141.02	-1,002.85	3,938.78	3,850.27	88.51	44.499		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ SUNSET 4-65 21-22 3AH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 90-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
11,000.00	7,875.00	7,479.00	7,352.14	97.49	32.24	-79.81	-2,141.02	-1,002.85	4,011.54	3,922.42	89.12	45.014		
11,100.00	7,875.00	7,479.00	7,352.14	100.09	32.24	-79.81	-2,141.02	-1,002.85	4,085.45	3,995.76	89.69	45.551		
11,200.00	7,875.00	7,479.00	7,352.14	102.69	32.24	-79.81	-2,141.02	-1,002.85	4,160.45	4,070.22	90.23	46.109		
11,300.00	7,875.00	7,479.00	7,352.14	105.30	32.24	-79.81	-2,141.02	-1,002.85	4,236.48	4,145.74	90.74	46.686		
11,400.00	7,875.00	7,479.00	7,352.14	107.91	32.24	-79.81	-2,141.02	-1,002.85	4,313.50	4,222.26	91.23	47.280		
11,500.00	7,875.00	7,479.00	7,352.14	110.53	32.24	-79.81	-2,141.02	-1,002.85	4,391.43	4,299.74	91.69	47.892		
11,600.00	7,875.00	7,479.00	7,352.14	113.15	32.24	-79.81	-2,141.02	-1,002.85	4,470.25	4,378.12	92.13	48.519		
11,700.00	7,875.00	7,479.00	7,352.14	115.77	32.24	-79.81	-2,141.02	-1,002.85	4,549.90	4,457.35	92.55	49.162		
11,800.00	7,875.00	7,479.00	7,352.14	118.40	32.24	-79.81	-2,141.02	-1,002.85	4,630.34	4,537.40	92.94	49.818		
11,900.00	7,875.00	7,479.00	7,352.14	121.03	32.24	-79.81	-2,141.02	-1,002.85	4,711.53	4,618.21	93.32	50.488		
12,000.00	7,875.00	7,479.00	7,352.14	123.66	32.24	-79.81	-2,141.02	-1,002.85	4,793.43	4,699.75	93.68	51.170		
12,100.00	7,875.00	7,479.00	7,352.14	126.29	32.24	-79.81	-2,141.02	-1,002.85	4,876.00	4,781.99	94.02	51.863		
12,200.00	7,875.00	7,479.00	7,352.14	128.93	32.24	-79.81	-2,141.02	-1,002.85	4,959.22	4,864.88	94.34	52.568		
12,300.00	7,875.00	7,479.00	7,352.14	131.57	32.24	-79.81	-2,141.02	-1,002.85	5,043.05	4,948.40	94.65	53.282		
12,400.00	7,875.00	7,479.00	7,352.14	134.21	32.24	-79.81	-2,141.02	-1,002.85	5,127.45	5,032.51	94.94	54.007		
12,500.00	7,875.00	7,479.00	7,352.14	136.85	32.24	-79.81	-2,141.02	-1,002.85	5,212.41	5,117.19	95.22	54.741		
12,600.00	7,875.00	7,479.00	7,352.14	139.49	32.24	-79.81	-2,141.02	-1,002.85	5,297.89	5,202.41	95.49	55.483		
12,700.00	7,875.00	7,479.00	7,352.14	142.14	32.24	-79.81	-2,141.02	-1,002.85	5,383.87	5,288.13	95.74	56.234		
12,800.00	7,875.00	7,438.30	7,313.05	144.79	32.13	-79.03	-2,147.04	-1,012.37	5,468.63	5,372.68	95.94	56.998		
12,900.00	7,875.00	7,436.59	7,311.39	147.44	32.13	-79.00	-2,147.32	-1,012.71	5,555.39	5,459.22	96.18	57.762		
13,000.00	7,875.00	7,434.93	7,309.79	150.09	32.12	-78.97	-2,147.58	-1,013.02	5,642.59	5,546.19	96.40	58.533		
13,100.00	7,875.00	7,433.33	7,308.23	152.74	32.12	-78.94	-2,147.83	-1,013.33	5,730.20	5,633.59	96.61	59.311		
13,200.00	7,875.00	7,431.77	7,306.73	155.39	32.11	-78.91	-2,148.08	-1,013.61	5,818.21	5,721.39	96.82	60.094		
13,300.00	7,875.00	7,430.27	7,305.26	158.05	32.11	-78.88	-2,148.33	-1,013.89	5,906.59	5,809.58	97.01	60.883		
13,400.00	7,875.00	7,390.00	7,266.02	160.70	32.00	-78.10	-2,155.19	-1,019.65	5,996.89	5,899.74	97.16	61.724		
13,500.00	7,875.00	7,390.00	7,266.02	163.36	32.00	-78.10	-2,155.19	-1,019.65	6,085.87	5,988.53	97.34	62.521		
13,600.00	7,875.00	7,390.00	7,266.02	166.02	32.00	-78.10	-2,155.19	-1,019.65	6,175.18	6,077.66	97.52	63.323		
13,700.00	7,875.00	7,390.00	7,266.02	168.68	32.00	-78.10	-2,155.19	-1,019.65	6,264.82	6,167.13	97.69	64.129		
13,800.00	7,875.00	7,390.00	7,266.02	171.34	32.00	-78.10	-2,155.19	-1,019.65	6,354.77	6,256.91	97.86	64.941		
13,900.00	7,875.00	7,390.00	7,266.02	174.00	32.00	-78.10	-2,155.19	-1,019.65	6,445.01	6,347.00	98.01	65.756		
14,000.00	7,875.00	7,390.00	7,266.02	176.66	32.00	-78.10	-2,155.19	-1,019.65	6,535.54	6,437.37	98.17	66.576		
14,100.00	7,875.00	7,390.00	7,266.02	179.33	32.00	-78.10	-2,155.19	-1,019.65	6,626.34	6,528.02	98.31	67.400		
14,200.00	7,875.00	7,390.00	7,266.02	181.99	32.00	-78.10	-2,155.19	-1,019.65	6,717.40	6,618.94	98.46	68.227		
14,300.00	7,875.00	7,390.00	7,266.02	184.66	32.00	-78.10	-2,155.19	-1,019.65	6,808.71	6,710.12	98.59	69.058		
14,400.00	7,875.00	7,390.00	7,266.02	187.32	32.00	-78.10	-2,155.19	-1,019.65	6,900.26	6,801.53	98.73	69.892		
14,500.00	7,875.00	7,390.00	7,266.02	189.99	32.00	-78.10	-2,155.19	-1,019.65	6,992.05	6,893.19	98.86	70.729		
14,600.00	7,875.00	7,390.00	7,266.02	192.66	32.00	-78.10	-2,155.19	-1,019.65	7,084.05	6,985.07	98.98	71.570		
14,700.00	7,875.00	7,390.00	7,266.02	195.32	32.00	-78.10	-2,155.19	-1,019.65	7,176.27	7,077.17	99.10	72.413		
14,800.00	7,875.00	7,390.00	7,266.02	197.99	32.00	-78.10	-2,155.19	-1,019.65	7,268.70	7,169.48	99.22	73.259		
14,900.00	7,875.00	7,390.00	7,266.02	200.66	32.00	-78.10	-2,155.19	-1,019.65	7,361.32	7,261.99	99.33	74.107		
15,000.00	7,875.00	7,390.00	7,266.02	203.33	32.00	-78.10	-2,155.19	-1,019.65	7,454.14	7,354.69	99.44	74.958		
15,100.00	7,875.00	7,390.00	7,266.02	206.00	32.00	-78.10	-2,155.19	-1,019.65	7,547.13	7,447.58	99.55	75.811		
15,200.00	7,875.00	7,390.00	7,266.02	208.67	32.00	-78.10	-2,155.19	-1,019.65	7,640.31	7,540.65	99.66	76.666		
15,300.00	7,875.00	7,390.00	7,266.02	211.34	32.00	-78.10	-2,155.19	-1,019.65	7,733.66	7,633.90	99.76	77.523		
15,400.00	7,875.00	7,390.00	7,266.02	214.01	32.00	-78.10	-2,155.19	-1,019.65	7,827.17	7,727.31	99.86	78.382		
15,500.00	7,875.00	7,390.00	7,266.02	216.69	32.00	-78.10	-2,155.19	-1,019.65	7,920.83	7,820.88	99.96	79.243		
15,600.00	7,875.00	7,390.00	7,266.02	219.36	32.00	-78.10	-2,155.19	-1,019.65	8,014.65	7,914.60	100.05	80.105		
15,700.00	7,875.00	7,390.00	7,266.02	222.03	32.00	-78.10	-2,155.19	-1,019.65	8,108.62	8,008.48	100.14	80.969		
15,800.00	7,875.00	7,390.00	7,266.02	224.71	32.00	-78.10	-2,155.19	-1,019.65	8,202.74	8,102.50	100.23	81.835		
15,900.00	7,875.00	7,390.00	7,266.02	227.38	32.00	-78.10	-2,155.19	-1,019.65	8,296.99	8,196.66	100.32	82.702		
16,000.00	7,875.00	7,390.00	7,266.02	230.05	32.00	-78.10	-2,155.19	-1,019.65	8,391.37	8,290.96	100.41	83.570		
16,100.00	7,875.00	7,390.00	7,266.02	232.73	32.00	-78.10	-2,155.19	-1,019.65	8,485.88	8,385.38	100.50	84.440		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ SUNSET 4-65 21-22 3AH - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 90-MWD OWSG												Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor	
16,200.00	7,875.00	7,390.00	7,266.02	235.40	32.00	-78.10	-2,155.19	-1,019.65	8,580.51	8,479.93	100.58	85.311	
16,300.00	7,875.00	7,390.00	7,266.02	238.08	32.00	-78.10	-2,155.19	-1,019.65	8,675.27	8,574.61	100.66	86.182	
16,400.00	7,875.00	7,390.00	7,266.02	240.76	32.00	-78.10	-2,155.19	-1,019.65	8,770.14	8,669.40	100.74	87.055	
16,500.00	7,875.00	7,390.00	7,266.02	243.43	32.00	-78.10	-2,155.19	-1,019.65	8,865.13	8,764.31	100.82	87.929	
16,600.00	7,875.00	7,390.00	7,266.02	246.11	32.00	-78.10	-2,155.19	-1,019.65	8,960.22	8,859.32	100.90	88.803	
16,700.00	7,875.00	7,390.00	7,266.02	248.78	32.00	-78.10	-2,155.19	-1,019.65	9,055.42	8,954.45	100.98	89.679	
16,800.00	7,875.00	7,390.00	7,266.02	251.46	32.00	-78.10	-2,155.19	-1,019.65	9,150.73	9,049.67	101.05	90.555	
16,900.00	7,875.00	7,390.00	7,266.02	254.14	32.00	-78.10	-2,155.19	-1,019.65	9,246.13	9,145.00	101.13	91.432	
17,000.00	7,875.00	7,390.00	7,266.02	256.82	32.00	-78.10	-2,155.19	-1,019.65	9,341.62	9,240.43	101.20	92.309	
17,100.00	7,875.00	7,390.00	7,266.02	259.50	32.00	-78.10	-2,155.19	-1,019.65	9,437.22	9,335.94	101.27	93.187	
17,200.00	7,875.00	7,390.00	7,266.02	262.17	32.00	-78.10	-2,155.19	-1,019.65	9,532.90	9,431.55	101.34	94.065	
17,300.00	7,875.00	7,390.00	7,266.02	264.85	32.00	-78.10	-2,155.19	-1,019.65	9,628.67	9,527.25	101.41	94.944	
17,400.00	7,875.00	7,390.00	7,266.02	267.53	32.00	-78.10	-2,155.19	-1,019.65	9,724.52	9,623.04	101.48	95.823	
17,500.00	7,875.00	7,390.00	7,266.02	270.21	32.00	-78.10	-2,155.19	-1,019.65	9,820.46	9,718.91	101.55	96.703	
17,600.00	7,875.00	7,390.00	7,266.02	272.89	32.00	-78.10	-2,155.19	-1,019.65	9,916.48	9,814.85	101.62	97.583	

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ SUNSET 4-65 21-22 3BH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 30-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	-173.82	-3,083.14	-333.79	3,101.43					
29.48	29.48	0.00	0.00	0.02	0.00	-0.97	-3,083.14	-333.79	3,101.07					
60.08	60.08	22.00	22.00	0.12	0.01	10.91	-3,083.13	-333.84	3,100.90	3,100.77	0.13	N/A		
71.11	71.11	34.50	34.50	0.16	0.02	164.09	-3,083.11	-333.91	3,100.88	3,100.71	0.17	N/A CC		
121.28	121.28	70.01	70.01	0.33	0.15	-178.39	-3,083.15	-334.22	3,101.33	3,100.84	0.49	6,368.395		
151.88	151.88	99.32	99.31	0.44	0.26	95.77	-3,083.22	-334.51	3,101.65	3,100.95	0.70	4,443.013		
182.48	182.47	121.98	121.98	0.55	0.34	-21.28	-3,083.31	-334.73	3,101.81	3,100.92	0.89	3,500.095		
213.08	213.07	158.18	158.18	0.65	0.47	-9.65	-3,083.48	-335.10	3,101.87	3,100.75	1.12	2,761.377		
243.68	243.67	200.35	200.34	0.76	0.62	-54.60	-3,083.52	-335.70	3,101.79	3,100.41	1.38	2,243.918		
286.38	286.37	237.90	237.88	0.91	0.76	-12.56	-3,083.48	-336.38	3,101.54	3,099.88	1.67	1,859.547		
329.08	329.07	279.74	279.71	1.06	0.91	-23.22	-3,083.52	-337.15	3,101.22	3,099.25	1.97	1,574.003		
371.78	371.77	322.66	322.63	1.22	1.06	-46.50	-3,083.54	-338.10	3,100.93	3,098.66	2.28	1,362.151		
380.23	380.21	331.15	331.11	1.25	1.09	-69.22	-3,083.53	-338.32	3,100.91	3,098.58	2.34	1,327.173 ES		
414.48	414.46	366.43	366.38	1.36	1.22	-155.78	-3,083.52	-339.30	3,101.21	3,098.62	2.58	1,200.727		
457.18	457.15	417.50	417.42	1.51	1.40	-171.58	-3,083.41	-340.92	3,102.37	3,099.46	2.91	1,064.436		
499.88	499.81	465.63	465.52	1.66	1.58	179.15	-3,083.13	-342.67	3,104.16	3,100.92	3.24	958.941		
542.58	542.45	504.81	504.66	1.81	1.72	178.42	-3,082.89	-344.25	3,106.38	3,102.85	3.53	880.538		
585.28	585.08	540.69	540.52	1.96	1.85	179.62	-3,082.72	-345.78	3,108.83	3,105.03	3.81	816.601		
627.98	627.70	574.60	574.39	2.11	1.98	-179.39	-3,082.64	-347.30	3,111.40	3,107.32	4.08	762.683		
670.68	670.32	614.80	614.54	2.26	2.12	-178.08	-3,082.61	-349.21	3,114.32	3,109.94	4.38	711.565		
713.38	712.90	658.35	658.03	2.41	2.28	-173.27	-3,082.55	-351.50	3,117.67	3,112.98	4.69	665.060		
756.08	755.45	701.92	701.54	2.57	2.44	-174.73	-3,082.46	-354.02	3,121.44	3,116.44	5.00	624.259		
798.78	797.96	746.90	746.43	2.73	2.61	-171.18	-3,082.33	-356.70	3,125.60	3,120.28	5.32	587.691		
841.48	840.50	794.12	793.60	2.88	2.78	-164.52	-3,082.18	-359.02	3,129.25	3,123.61	5.64	554.740		
884.18	883.12	834.69	834.13	3.04	2.93	-162.38	-3,082.09	-360.61	3,131.94	3,126.00	5.94	527.456		
926.88	925.77	875.69	875.12	3.19	3.08	-161.85	-3,082.08	-361.79	3,134.00	3,127.76	6.24	502.510		
969.58	968.44	922.71	922.12	3.34	3.25	-165.04	-3,082.07	-362.79	3,135.53	3,128.97	6.56	478.191		
1,012.28	1,011.13	960.78	960.19	3.50	3.38	-166.04	-3,082.07	-363.68	3,136.56	3,129.71	6.85	458.205		
1,054.98	1,053.83	1,013.88	1,013.27	3.65	3.58	-155.54	-3,082.04	-364.96	3,137.12	3,129.93	7.19	436.426		
1,097.68	1,096.53	1,090.98	1,090.36	3.80	3.85	-73.75	-3,081.42	-366.00	3,136.95	3,129.34	7.61	412.088		
1,140.38	1,139.23	1,117.99	1,117.37	3.94	3.94	-22.76	-3,081.16	-366.24	3,136.39	3,128.54	7.85	399.333		
1,183.08	1,181.92	1,146.71	1,146.08	4.09	4.05	-39.67	-3,081.01	-366.58	3,135.92	3,127.82	8.10	387.054		
1,225.78	1,224.62	1,186.81	1,186.18	4.23	4.19	-50.98	-3,080.97	-367.09	3,135.65	3,127.26	8.39	373.616		
1,268.48	1,267.32	1,232.60	1,231.97	4.38	4.35	-16.19	-3,080.76	-367.75	3,135.08	3,126.38	8.70	360.186		
1,311.18	1,310.01	1,263.02	1,262.38	4.53	4.46	-15.39	-3,080.70	-368.36	3,134.40	3,125.44	8.96	349.843		
1,353.88	1,352.71	1,298.20	1,297.55	4.67	4.59	-18.32	-3,080.74	-369.07	3,133.79	3,124.56	9.23	339.426		
1,396.58	1,395.40	1,354.30	1,353.64	4.82	4.79	-20.10	-3,080.79	-370.26	3,133.15	3,123.56	9.58	326.971		
1,439.28	1,438.09	1,405.01	1,404.34	4.96	4.97	-16.13	-3,080.53	-371.08	3,132.12	3,122.21	9.91	315.988		
1,481.98	1,480.78	1,436.54	1,435.87	5.11	5.09	-20.06	-3,080.49	-371.48	3,131.17	3,120.99	10.17	307.803		
1,524.68	1,523.46	1,476.41	1,475.73	5.26	5.23	-21.39	-3,080.51	-371.82	3,130.14	3,119.67	10.46	299.153		
1,567.38	1,566.14	1,511.50	1,510.82	5.41	5.35	-21.27	-3,080.61	-372.09	3,129.11	3,118.38	10.74	291.446		
1,610.08	1,608.83	1,584.75	1,584.07	5.56	5.61	-8.93	-3,080.54	-372.73	3,128.10	3,116.95	11.15	280.618		
1,652.78	1,651.52	1,645.57	1,644.88	5.70	5.83	15.63	-3,079.92	-373.68	3,127.08	3,115.57	11.51	271.623		
1,695.48	1,694.22	1,692.43	1,691.73	5.85	6.00	21.03	-3,079.25	-374.61	3,126.11	3,114.28	11.83	264.296		
1,738.18	1,736.92	1,729.18	1,728.47	6.00	6.13	34.36	-3,078.75	-375.28	3,125.13	3,113.02	12.11	258.117		
1,780.88	1,779.61	1,762.79	1,762.07	6.15	6.25	30.77	-3,078.38	-375.86	3,124.27	3,111.89	12.38	252.452		
1,823.58	1,822.31	1,791.29	1,790.57	6.30	6.35	23.26	-3,078.17	-376.34	3,123.54	3,110.92	12.63	247.385		
1,866.28	1,865.00	1,829.43	1,828.70	6.45	6.49	18.97	-3,078.06	-376.99	3,122.85	3,109.94	12.91	241.859		
1,908.98	1,907.69	1,878.40	1,877.66	6.59	6.66	22.09	-3,077.84	-377.56	3,121.97	3,108.73	13.24	235.863		
1,951.68	1,950.39	1,914.03	1,913.29	6.74	6.79	23.17	-3,077.69	-378.03	3,121.07	3,107.56	13.51	230.968		
1,994.38	1,993.08	1,951.11	1,950.37	6.89	6.93	22.81	-3,077.64	-378.59	3,120.24	3,106.44	13.80	226.184		
2,037.08	2,035.77	1,997.75	1,997.00	7.04	7.09	20.75	-3,077.53	-379.28	3,119.32	3,105.21	14.11	221.039		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ SUNSET 4-65 21-22 3BH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 30-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
2,079.78	2,078.46	2,039.86	2,039.11	7.19	7.24	27.31	-3,077.45	-379.93	3,118.46	3,104.05	14.41	216.368		
2,122.48	2,121.15	2,086.13	2,085.38	7.34	7.41	23.32	-3,077.31	-380.45	3,117.58	3,102.85	14.73	211.672		
2,165.18	2,163.84	2,127.83	2,127.07	7.49	7.56	21.83	-3,077.19	-381.09	3,116.79	3,101.76	15.03	207.401		
2,200.00	2,198.65	2,164.75	2,163.99	7.55	7.69	21.85	-3,077.05	-381.70	3,116.12	3,100.90	15.22	204.737		
2,220.18	2,218.83	2,184.01	2,183.24	7.55	7.76	21.85	-3,076.98	-381.98	3,115.73	3,100.45	15.29	203.815		
2,300.00	2,298.64	2,260.19	2,259.41	7.56	8.02	-83.14	-3,076.79	-382.86	3,114.88	3,099.32	15.56	200.208		
2,311.66	2,310.30	2,271.32	2,270.55	7.57	8.06	-90.84	-3,076.78	-382.95	3,114.87	3,099.27	15.60	199.675		
2,400.00	2,398.59	2,355.59	2,354.82	7.59	8.34	-110.89	-3,076.76	-383.37	3,115.67	3,099.76	15.91	195.792		
2,500.00	2,498.36	2,455.06	2,454.28	7.64	8.68	-116.23	-3,076.91	-383.30	3,118.52	3,102.23	16.29	191.399		
2,600.00	2,597.86	2,559.32	2,558.54	7.71	9.03	-118.49	-3,076.95	-383.23	3,123.21	3,106.50	16.71	186.907		
2,700.00	2,696.94	2,658.65	2,657.87	7.79	9.37	-119.78	-3,076.89	-383.21	3,129.76	3,112.62	17.14	182.626		
2,730.19	2,726.76	2,687.76	2,686.99	7.83	9.46	-120.07	-3,076.88	-383.15	3,132.14	3,114.87	17.27	181.377		
2,800.00	2,795.64	2,754.32	2,753.54	7.91	9.69	-120.24	-3,076.89	-383.10	3,137.89	3,120.31	17.58	178.534		
2,900.00	2,894.31	2,850.83	2,850.06	8.05	10.02	-120.49	-3,076.98	-383.04	3,146.26	3,128.22	18.04	174.412		
3,000.00	2,992.99	2,943.35	2,942.57	8.22	10.34	-120.73	-3,077.19	-383.05	3,154.83	3,136.32	18.51	170.447		
3,100.00	3,091.66	3,055.47	3,054.69	8.40	10.73	-121.01	-3,077.07	-383.24	3,163.13	3,144.05	19.08	165.823		
3,200.00	3,190.34	3,135.92	3,135.15	8.61	11.01	-121.21	-3,077.27	-383.54	3,171.85	3,152.30	19.55	162.250		
3,300.00	3,289.01	3,240.32	3,239.55	8.83	11.38	-121.46	-3,077.50	-383.89	3,180.62	3,160.49	20.13	158.026		
3,400.00	3,387.69	3,376.13	3,374.40	9.07	12.58	-122.00	-3,066.44	-399.52	3,187.62	3,166.10	21.52	148.108		
3,500.00	3,486.36	3,653.00	3,650.63	9.33	12.86	-122.04	-3,060.61	-407.53	3,189.53	3,167.48	22.05	144.635		
3,600.00	3,585.03	3,713.91	3,710.86	9.60	13.09	-122.04	-3,056.45	-415.58	3,192.40	3,169.86	22.55	141.599		
3,700.00	3,683.71	3,898.14	3,892.19	9.88	13.80	-121.95	-3,042.15	-444.74	3,194.63	3,171.13	23.49	135.973		
3,800.00	3,782.38	3,984.03	3,976.68	10.18	14.14	-121.91	-3,034.40	-458.11	3,195.54	3,171.43	24.11	132.525		
3,900.00	3,881.06	4,056.41	4,047.83	10.48	14.42	-121.87	-3,028.36	-469.94	3,197.19	3,172.49	24.70	129.462		
4,000.00	3,979.73	4,133.88	4,124.02	10.80	14.73	-121.82	-3,022.59	-482.72	3,199.72	3,174.41	25.31	126.424		
4,100.00	4,078.41	4,232.89	4,221.36	11.13	15.13	-121.76	-3,015.57	-499.40	3,202.64	3,176.63	26.02	123.100		
4,200.00	4,177.08	4,335.98	4,322.70	11.46	15.55	-121.69	-3,008.04	-516.74	3,205.37	3,178.61	26.75	119.819		
4,300.00	4,275.76	4,432.16	4,417.23	11.80	15.95	-121.63	-3,001.08	-533.06	3,208.18	3,180.71	27.47	116.780		
4,400.00	4,374.43	4,520.82	4,504.33	12.15	16.32	-121.56	-2,994.82	-548.38	3,211.19	3,183.02	28.17	113.982		
4,500.00	4,473.10	4,642.12	4,623.54	12.51	16.83	-121.48	-2,986.27	-569.10	3,214.23	3,185.22	29.01	110.786		
4,600.00	4,571.78	4,749.62	4,729.18	12.87	17.28	-121.41	-2,978.11	-587.31	3,216.70	3,186.90	29.81	107.916		
4,700.00	4,670.45	4,856.26	4,834.07	13.23	17.74	-121.35	-2,969.80	-604.65	3,218.91	3,188.30	30.60	105.179		
4,800.00	4,769.13	4,948.60	4,924.73	13.60	18.13	-121.28	-2,962.48	-620.54	3,221.08	3,189.72	31.35	102.732		
4,900.00	4,867.80	5,031.09	5,005.72	13.98	18.49	-121.22	-2,956.30	-634.96	3,223.70	3,191.63	32.07	100.520		
5,000.00	4,966.48	5,133.23	5,106.19	14.36	18.93	-121.16	-2,949.17	-651.90	3,226.76	3,193.89	32.87	98.161		
5,100.00	5,065.15	5,250.07	5,220.85	14.75	19.44	-121.07	-2,940.28	-672.55	3,229.29	3,195.54	33.75	95.696		
5,200.00	5,163.82	5,336.10	5,305.31	15.13	19.82	-121.00	-2,933.73	-687.49	3,231.80	3,197.31	34.49	93.691		
5,300.00	5,262.50	5,450.80	5,417.82	15.52	20.33	-120.91	-2,925.03	-708.07	3,234.42	3,199.04	35.37	91.435		
5,400.00	5,361.17	5,559.70	5,524.46	15.92	20.82	-120.80	-2,916.01	-728.18	3,236.36	3,200.12	36.24	89.307		
5,500.00	5,459.85	5,638.46	5,601.65	16.32	21.18	-120.73	-2,909.84	-742.53	3,238.74	3,201.77	36.97	87.593		
5,600.00	5,558.52	5,731.67	5,693.31	16.71	21.59	-120.67	-2,903.17	-758.11	3,241.65	3,203.88	37.77	85.823		
5,700.00	5,657.20	5,882.72	5,841.70	17.12	22.26	-120.57	-2,891.30	-783.67	3,243.97	3,205.15	38.82	83.572		
5,800.00	5,755.87	5,952.09	5,909.94	17.52	22.57	-120.54	-2,885.62	-794.80	3,245.80	3,206.28	39.52	82.139		
5,900.00	5,854.54	6,029.08	5,985.81	17.93	22.91	-120.51	-2,880.01	-806.58	3,248.45	3,208.21	40.24	80.722		
6,000.00	5,953.22	6,109.33	6,065.10	18.34	23.25	-120.50	-2,874.78	-817.80	3,251.74	3,210.77	40.98	79.352		
6,100.00	6,051.89	6,191.71	6,146.40	18.75	23.61	-120.48	-2,869.80	-830.15	3,255.61	3,213.88	41.73	78.018		
6,200.00	6,150.57	6,316.41	6,269.23	19.16	24.16	-120.42	-2,862.30	-850.32	3,259.70	3,217.02	42.67	76.385		
6,300.00	6,249.24	6,442.15	6,392.87	19.57	24.73	-120.34	-2,853.34	-871.40	3,262.68	3,219.05	43.63	74.775		
6,400.00	6,347.92	6,552.04	6,500.82	19.99	25.23	-120.27	-2,844.68	-890.02	3,264.91	3,220.38	44.53	73.323		
6,500.00	6,446.59	6,647.67	6,594.78	20.41	25.66	-120.21	-2,837.30	-906.20	3,267.33	3,221.97	45.36	72.029		
6,600.00	6,545.26	6,740.52	6,686.07	20.82	26.08	-120.15	-2,830.21	-921.59	3,269.79	3,223.61	46.18	70.801		
6,700.00	6,643.94	6,842.96	6,786.79	21.24	26.54	-120.09	-2,822.59	-938.68	3,272.47	3,225.42	47.05	69.555		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ SUNSET 4-65 21-22 3BH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 30-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
6,800.00	6,742.61	6,945.83	6,888.07	21.66	27.01	-120.04	-2,814.85	-954.96	3,274.97	3,227.06	47.91	68.354		
6,900.00	6,841.29	7,031.88	6,972.86	22.09	27.39	-120.01	-2,808.57	-968.18	3,277.65	3,228.95	48.70	67.303		
7,000.00	6,939.96	8,339.30	7,941.93	22.51	31.78	-132.63	-2,648.56	-377.58	3,276.89	3,225.12	51.77	63.302		
7,100.00	7,038.64	8,337.78	7,941.76	22.93	31.77	-132.61	-2,648.72	-379.07	3,256.99	3,204.56	52.43	62.117		
7,200.00	7,137.31	8,336.87	7,941.66	23.36	31.76	-132.59	-2,648.82	-379.98	3,240.06	3,186.99	53.07	61.047		
7,300.00	7,235.99	8,336.25	7,941.59	23.78	31.76	-132.58	-2,648.89	-380.59	3,226.14	3,172.45	53.69	60.092		
7,400.00	7,334.66	8,335.81	7,941.53	24.21	31.75	-132.57	-2,648.93	-381.02	3,215.27	3,161.01	54.26	59.251		
7,444.84	7,378.91	8,335.65	7,941.52	24.40	31.75	-132.57	-2,648.95	-381.18	3,211.40	3,156.88	54.51	58.911		
7,450.00	7,383.99	8,335.61	7,941.51	24.42	31.75	-130.79	-2,648.95	-381.22	3,210.99	3,156.45	54.54	58.874		
7,500.00	7,432.91	8,333.02	7,941.21	24.66	31.73	-119.40	-2,649.23	-383.77	3,207.74	3,152.94	54.80	58.530		
7,550.00	7,480.84	8,326.95	7,940.46	24.93	31.67	-113.52	-2,649.88	-389.77	3,205.69	3,150.63	55.06	58.221		
7,600.00	7,527.44	8,317.99	7,939.26	25.23	31.59	-109.91	-2,650.86	-398.59	3,204.84	3,149.53	55.31	57.940		
7,610.96	7,537.45	8,315.69	7,938.94	25.30	31.57	-109.29	-2,651.11	-400.85	3,204.81	3,149.44	55.37	57.879		
7,650.00	7,572.35	8,306.63	7,937.60	25.57	31.50	-107.38	-2,652.12	-409.75	3,205.16	3,149.60	55.57	57.682		
7,700.00	7,615.21	8,293.27	7,935.42	25.94	31.38	-105.41	-2,653.65	-422.85	3,206.63	3,150.80	55.82	57.441		
7,750.00	7,655.72	8,284.00	7,933.78	26.35	31.30	-103.84	-2,654.73	-431.91	3,209.18	3,153.04	56.14	57.167		
7,800.00	7,693.55	8,262.58	7,929.49	26.80	31.14	-102.27	-2,657.32	-452.74	3,212.75	3,156.34	56.41	56.953		
7,850.00	7,728.43	8,245.82	7,925.62	27.29	31.02	-100.89	-2,659.43	-468.90	3,217.27	3,160.52	56.75	56.695		
7,900.00	7,760.08	8,228.27	7,921.10	27.82	30.90	-99.57	-2,661.71	-485.70	3,222.67	3,165.56	57.11	56.430		
7,950.00	7,788.27	8,210.06	7,915.89	28.40	30.77	-98.29	-2,664.15	-502.99	3,228.87	3,171.37	57.49	56.160		
8,000.00	7,812.78	8,170.94	7,903.01	29.02	30.54	-96.75	-2,669.54	-539.52	3,235.75	3,177.93	57.82	55.962		
8,050.00	7,833.42	8,106.00	7,876.86	29.69	30.20	-94.92	-2,677.76	-598.36	3,242.67	3,184.58	58.09	55.820		
8,100.00	7,850.04	8,106.00	7,876.86	30.41	30.20	-93.99	-2,677.76	-598.36	3,250.08	3,191.39	58.69	55.377		
8,150.00	7,862.51	8,075.01	7,862.63	31.16	30.08	-92.70	-2,681.66	-625.61	3,257.70	3,198.47	59.23	55.004		
8,200.00	7,870.73	8,060.84	7,855.88	31.94	30.03	-91.64	-2,683.60	-637.91	3,265.80	3,205.96	59.84	54.578		
8,250.00	7,874.65	8,046.04	7,848.66	32.75	29.98	-90.61	-2,685.72	-650.66	3,274.17	3,213.70	60.47	54.148		
8,270.17	7,875.00	8,017.00	7,834.02	33.09	29.88	-89.99	-2,690.19	-675.34	3,277.82	3,217.17	60.66	54.040		
8,300.00	7,875.00	8,017.00	7,834.02	33.59	29.88	-89.99	-2,690.19	-675.34	3,282.87	3,221.80	61.07	53.757		
8,400.00	7,875.00	7,943.68	7,792.67	35.34	29.71	-89.26	-2,701.17	-734.83	3,301.19	3,238.80	62.39	52.912		
8,500.00	7,875.00	7,928.00	7,782.93	37.22	29.68	-89.09	-2,703.31	-746.93	3,320.78	3,256.91	63.88	51.987		
8,600.00	7,875.00	7,880.14	7,751.60	39.18	29.60	-88.54	-2,710.14	-782.45	3,342.21	3,276.81	65.40	51.102		
8,700.00	7,875.00	7,839.00	7,722.94	41.23	29.54	-88.04	-2,716.68	-811.22	3,366.33	3,299.37	66.96	50.270		
8,800.00	7,875.00	7,839.00	7,722.94	43.36	29.54	-88.04	-2,716.68	-811.22	3,392.48	3,323.91	68.58	49.470		
8,900.00	7,875.00	7,791.36	7,687.78	45.54	29.49	-87.43	-2,724.44	-842.41	3,420.80	3,350.61	70.19	48.738		
9,000.00	7,875.00	7,750.00	7,655.59	47.77	29.44	-86.87	-2,730.90	-867.56	3,451.12	3,379.33	71.79	48.073		
9,100.00	7,875.00	7,715.78	7,627.83	50.06	29.39	-86.40	-2,735.92	-886.92	3,483.41	3,410.02	73.39	47.467		
9,200.00	7,875.00	7,679.39	7,597.22	52.38	29.35	-85.87	-2,740.80	-905.97	3,517.64	3,442.68	74.95	46.931		
9,300.00	7,875.00	7,661.00	7,581.36	54.73	29.33	-85.60	-2,743.09	-914.98	3,553.91	3,477.41	76.50	46.458		
9,400.00	7,875.00	7,661.00	7,581.36	57.12	29.33	-85.60	-2,743.09	-914.98	3,592.53	3,514.51	78.02	46.047		
9,500.00	7,875.00	7,627.60	7,551.91	59.53	29.28	-85.09	-2,747.14	-930.20	3,632.96	3,553.48	79.48	45.708		
9,600.00	7,875.00	7,615.65	7,541.18	61.96	29.26	-84.91	-2,748.61	-935.26	3,675.71	3,594.80	80.92	45.427		
9,700.00	7,875.00	7,604.59	7,531.17	64.42	29.24	-84.74	-2,749.97	-939.77	3,720.53	3,638.23	82.31	45.204		
9,800.00	7,875.00	7,572.00	7,501.26	66.89	29.19	-84.23	-2,754.02	-952.03	3,767.62	3,683.99	83.63	45.052		
9,900.00	7,875.00	7,572.00	7,501.26	69.38	29.19	-84.23	-2,754.02	-952.03	3,816.22	3,731.28	84.94	44.930		
10,000.00	7,875.00	7,572.00	7,501.26	71.89	29.19	-84.23	-2,754.02	-952.03	3,866.80	3,780.60	86.20	44.860		
10,100.00	7,875.00	7,572.00	7,501.26	74.41	29.19	-84.23	-2,754.02	-952.03	3,919.28	3,831.87	87.41	44.839 SF		
10,200.00	7,875.00	7,572.00	7,501.26	76.94	29.19	-84.23	-2,754.02	-952.03	3,973.58	3,885.01	88.57	44.863		
10,300.00	7,875.00	7,541.70	7,472.96	79.48	29.14	-83.75	-2,757.69	-962.22	4,029.30	3,939.64	89.66	44.940		
10,400.00	7,875.00	7,531.25	7,463.11	82.03	29.12	-83.58	-2,758.91	-965.49	4,086.74	3,996.02	90.72	45.048		
10,500.00	7,875.00	7,521.54	7,453.93	84.59	29.10	-83.43	-2,760.03	-968.43	4,145.73	4,053.99	91.74	45.192		
10,600.00	7,875.00	7,512.50	7,445.33	87.16	29.08	-83.28	-2,761.04	-971.07	4,206.20	4,113.49	92.71	45.370		
10,700.00	7,875.00	7,483.00	7,417.11	89.73	29.03	-82.81	-2,764.23	-979.03	4,268.27	4,174.67	93.61	45.598		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ SUNSET 4-65 21-22 3BH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 30-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
10,800.00	7,875.00	7,483.00	7,417.11	92.31	29.03	-82.81	-2,764.23	-979.03	4,331.44	4,236.93	94.51	45.831		
10,900.00	7,875.00	7,483.00	7,417.11	94.90	29.03	-82.81	-2,764.23	-979.03	4,395.97	4,300.60	95.37	46.094		
11,000.00	7,875.00	7,483.00	7,417.11	97.49	29.03	-82.81	-2,764.23	-979.03	4,461.81	4,365.62	96.19	46.385		
11,100.00	7,875.00	7,483.00	7,417.11	100.09	29.03	-82.81	-2,764.23	-979.03	4,528.90	4,431.93	96.97	46.702		
11,200.00	7,875.00	7,483.00	7,417.11	102.69	29.03	-82.81	-2,764.23	-979.03	4,597.19	4,499.46	97.72	47.043		
11,300.00	7,875.00	7,483.00	7,417.11	105.30	29.03	-82.81	-2,764.23	-979.03	4,666.62	4,568.18	98.44	47.408		
11,400.00	7,875.00	7,483.00	7,417.11	107.91	29.03	-82.81	-2,764.23	-979.03	4,737.14	4,638.03	99.12	47.794		
11,500.00	7,875.00	7,483.00	7,417.11	110.53	29.03	-82.81	-2,764.23	-979.03	4,808.71	4,708.95	99.76	48.201		
11,600.00	7,875.00	7,483.00	7,417.11	113.15	29.03	-82.81	-2,764.23	-979.03	4,881.28	4,780.90	100.38	48.627		
11,700.00	7,875.00	7,483.00	7,417.11	115.77	29.03	-82.81	-2,764.23	-979.03	4,954.81	4,853.83	100.97	49.071		
11,800.00	7,875.00	7,447.25	7,382.51	118.40	28.94	-82.23	-2,767.88	-987.23	5,028.51	4,927.02	101.49	49.546		
11,900.00	7,875.00	7,443.79	7,379.14	121.03	28.94	-82.17	-2,768.23	-987.93	5,103.66	5,001.64	102.03	50.023		
12,000.00	7,875.00	7,440.50	7,375.93	123.66	28.93	-82.12	-2,768.55	-988.58	5,179.65	5,077.11	102.54	50.516		
12,100.00	7,875.00	7,437.34	7,372.85	126.29	28.92	-82.07	-2,768.86	-989.19	5,256.42	5,153.40	103.02	51.022		
12,200.00	7,875.00	7,434.33	7,369.90	128.93	28.92	-82.02	-2,769.16	-989.76	5,333.95	5,230.47	103.49	51.542		
12,300.00	7,875.00	7,431.44	7,367.08	131.57	28.91	-81.97	-2,769.44	-990.30	5,412.21	5,308.28	103.93	52.075		
12,400.00	7,875.00	7,394.00	7,330.28	134.21	28.82	-81.36	-2,773.00	-996.20	5,491.89	5,387.61	104.29	52.661		
12,500.00	7,875.00	7,394.00	7,330.28	136.85	28.82	-81.36	-2,773.00	-996.20	5,571.41	5,466.71	104.70	53.213		
12,600.00	7,875.00	7,394.00	7,330.28	139.49	28.82	-81.36	-2,773.00	-996.20	5,651.59	5,546.49	105.09	53.776		
12,700.00	7,875.00	7,394.00	7,330.28	142.14	28.82	-81.36	-2,773.00	-996.20	5,732.38	5,626.91	105.47	54.351		
12,800.00	7,875.00	7,394.00	7,330.28	144.79	28.82	-81.36	-2,773.00	-996.20	5,813.77	5,707.94	105.83	54.935		
12,900.00	7,875.00	7,394.00	7,330.28	147.44	28.82	-81.36	-2,773.00	-996.20	5,895.74	5,789.56	106.18	55.528		
13,000.00	7,875.00	7,394.00	7,330.28	150.09	28.82	-81.36	-2,773.00	-996.20	5,978.25	5,871.74	106.51	56.131		
13,100.00	7,875.00	7,394.00	7,330.28	152.74	28.82	-81.36	-2,773.00	-996.20	6,061.29	5,954.47	106.82	56.742		
13,200.00	7,875.00	7,394.00	7,330.28	155.39	28.82	-81.36	-2,773.00	-996.20	6,144.84	6,037.71	107.12	57.362		
13,300.00	7,875.00	7,394.00	7,330.28	158.05	28.82	-81.36	-2,773.00	-996.20	6,228.87	6,121.45	107.41	57.989		
13,400.00	7,875.00	7,394.00	7,330.28	160.70	28.82	-81.36	-2,773.00	-996.20	6,313.36	6,205.67	107.69	58.624		
13,500.00	7,875.00	7,394.00	7,330.28	163.36	28.82	-81.36	-2,773.00	-996.20	6,398.30	6,290.34	107.96	59.265		
13,600.00	7,875.00	7,394.00	7,330.28	166.02	28.82	-81.36	-2,773.00	-996.20	6,483.68	6,375.46	108.22	59.914		
13,700.00	7,875.00	7,394.00	7,330.28	168.68	28.82	-81.36	-2,773.00	-996.20	6,569.46	6,461.00	108.46	60.569		
13,800.00	7,875.00	7,394.00	7,330.28	171.34	28.82	-81.36	-2,773.00	-996.20	6,655.64	6,546.94	108.70	61.230		
13,900.00	7,875.00	7,394.00	7,330.28	174.00	28.82	-81.36	-2,773.00	-996.20	6,742.21	6,633.28	108.93	61.896		
14,000.00	7,875.00	7,394.00	7,330.28	176.66	28.82	-81.36	-2,773.00	-996.20	6,829.14	6,719.99	109.15	62.568		
14,100.00	7,875.00	7,394.00	7,330.28	179.33	28.82	-81.36	-2,773.00	-996.20	6,916.42	6,807.06	109.36	63.246		
14,200.00	7,875.00	7,394.00	7,330.28	181.99	28.82	-81.36	-2,773.00	-996.20	7,004.04	6,894.48	109.56	63.928		
14,300.00	7,875.00	7,394.00	7,330.28	184.66	28.82	-81.36	-2,773.00	-996.20	7,091.99	6,982.24	109.76	64.616		
14,400.00	7,875.00	7,394.00	7,330.28	187.32	28.82	-81.36	-2,773.00	-996.20	7,180.26	7,070.32	109.95	65.308		
14,500.00	7,875.00	7,394.00	7,330.28	189.99	28.82	-81.36	-2,773.00	-996.20	7,268.83	7,158.70	110.13	66.004		
14,600.00	7,875.00	7,394.00	7,330.28	192.66	28.82	-81.36	-2,773.00	-996.20	7,357.69	7,247.39	110.30	66.704		
14,700.00	7,875.00	7,394.00	7,330.28	195.32	28.82	-81.36	-2,773.00	-996.20	7,446.84	7,336.37	110.47	67.409		
14,800.00	7,875.00	7,394.00	7,330.28	197.99	28.82	-81.36	-2,773.00	-996.20	7,536.26	7,425.62	110.64	68.117		
14,900.00	7,875.00	7,394.00	7,330.28	200.66	28.82	-81.36	-2,773.00	-996.20	7,625.94	7,515.14	110.80	68.829		
15,000.00	7,875.00	7,394.00	7,330.28	203.33	28.82	-81.36	-2,773.00	-996.20	7,715.87	7,604.92	110.95	69.544		
15,100.00	7,875.00	7,394.00	7,330.28	206.00	28.82	-81.36	-2,773.00	-996.20	7,806.05	7,694.96	111.10	70.263		
15,200.00	7,875.00	7,394.00	7,330.28	208.67	28.82	-81.36	-2,773.00	-996.20	7,896.47	7,785.23	111.24	70.985		
15,300.00	7,875.00	7,394.00	7,330.28	211.34	28.82	-81.36	-2,773.00	-996.20	7,987.11	7,875.73	111.38	71.710		
15,400.00	7,875.00	7,394.00	7,330.28	214.01	28.82	-81.36	-2,773.00	-996.20	8,077.98	7,966.46	111.52	72.437		
15,500.00	7,875.00	7,394.00	7,330.28	216.69	28.82	-81.36	-2,773.00	-996.20	8,169.06	8,057.41	111.65	73.168		
15,600.00	7,875.00	7,394.00	7,330.28	219.36	28.82	-81.36	-2,773.00	-996.20	8,260.34	8,148.57	111.78	73.901		
15,700.00	7,875.00	7,394.00	7,330.28	222.03	28.82	-81.36	-2,773.00	-996.20	8,351.83	8,239.93	111.90	74.637		
15,800.00	7,875.00	7,394.00	7,330.28	224.71	28.82	-81.36	-2,773.00	-996.20	8,443.51	8,331.49	112.02	75.375		
15,900.00	7,875.00	7,394.00	7,330.28	227.38	28.82	-81.36	-2,773.00	-996.20	8,535.37	8,423.24	112.14	76.116		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ SUNSET 4-65 21-22 3BH - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 30-MWD OWSG												Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor	
16,000.00	7,875.00	7,394.00	7,330.28	230.05	28.82	-81.36	-2,773.00	-996.20	8,627.42	8,515.17	112.25	76.858	
16,100.00	7,875.00	7,394.00	7,330.28	232.73	28.82	-81.36	-2,773.00	-996.20	8,719.64	8,607.28	112.36	77.603	
16,200.00	7,875.00	7,394.00	7,330.28	235.40	28.82	-81.36	-2,773.00	-996.20	8,812.03	8,699.56	112.47	78.350	
16,300.00	7,875.00	7,394.00	7,330.28	238.08	28.82	-81.36	-2,773.00	-996.20	8,904.58	8,792.01	112.58	79.099	
16,400.00	7,875.00	7,394.00	7,330.28	240.76	28.82	-81.36	-2,773.00	-996.20	8,997.30	8,884.62	112.68	79.849	
16,500.00	7,875.00	7,394.00	7,330.28	243.43	28.82	-81.36	-2,773.00	-996.20	9,090.17	8,977.39	112.78	80.602	
16,600.00	7,875.00	7,394.00	7,330.28	246.11	28.82	-81.36	-2,773.00	-996.20	9,183.19	9,070.31	112.88	81.356	
16,700.00	7,875.00	7,394.00	7,330.28	248.78	28.82	-81.36	-2,773.00	-996.20	9,276.35	9,163.38	112.97	82.111	
16,800.00	7,875.00	7,394.00	7,330.28	251.46	28.82	-81.36	-2,773.00	-996.20	9,369.65	9,256.59	113.07	82.869	
16,900.00	7,875.00	7,394.00	7,330.28	254.14	28.82	-81.36	-2,773.00	-996.20	9,463.10	9,349.94	113.16	83.627	
17,000.00	7,875.00	7,394.00	7,330.28	256.82	28.82	-81.36	-2,773.00	-996.20	9,556.67	9,443.42	113.25	84.387	
17,100.00	7,875.00	7,394.00	7,330.28	259.50	28.82	-81.36	-2,773.00	-996.20	9,650.37	9,537.04	113.34	85.148	
17,200.00	7,875.00	7,394.00	7,330.28	262.17	28.82	-81.36	-2,773.00	-996.20	9,744.20	9,630.78	113.42	85.911	
17,300.00	7,875.00	7,394.00	7,330.28	264.85	28.82	-81.36	-2,773.00	-996.20	9,838.15	9,724.65	113.51	86.675	
17,400.00	7,875.00	7,394.00	7,330.28	267.53	28.82	-81.36	-2,773.00	-996.20	9,932.22	9,818.63	113.59	87.439	

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ SUNSET 4-65 21-22 4BH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 24-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	-173.77	-3,058.37	-333.79	3,076.80					
29.48	29.48	0.00	0.00	0.02	0.00	-0.92	-3,058.37	-333.79	3,076.45					
60.08	60.08	19.37	19.37	0.12	0.00	10.96	-3,058.37	-333.79	3,076.29	3,076.17	0.12	N/A		
69.44	69.44	29.97	29.97	0.15	0.02	148.09	-3,058.37	-333.79	3,076.28	3,076.10	0.17	N/A		
121.28	121.28	95.44	95.44	0.33	0.26	-178.35	-3,058.19	-333.85	3,076.49	3,075.90	0.59	5,227.044		
151.88	151.88	134.09	134.09	0.44	0.40	95.82	-3,057.95	-333.94	3,076.53	3,075.69	0.83	3,691.638		
182.48	182.47	172.73	172.73	0.55	0.53	-21.24	-3,057.59	-334.06	3,076.26	3,075.18	1.08	2,848.208		
213.08	213.07	211.37	211.36	0.65	0.67	-9.61	-3,057.13	-334.22	3,075.80	3,074.47	1.33	2,318.117		
243.68	243.67	250.00	249.99	0.76	0.81	-54.58	-3,056.57	-334.41	3,075.22	3,073.64	1.57	1,954.437		
286.38	286.37	303.91	303.89	0.91	1.00	-12.54	-3,055.60	-334.74	3,074.20	3,072.28	1.92	1,602.767		
329.08	329.07	357.79	357.76	1.06	1.20	-23.21	-3,054.43	-335.14	3,072.86	3,070.60	2.26	1,357.379		
371.78	371.77	411.67	411.61	1.22	1.39	-46.49	-3,053.06	-335.61	3,071.41	3,068.80	2.61	1,177.432		
414.48	414.46	462.14	462.06	1.36	1.57	-155.78	-3,051.62	-336.40	3,070.44	3,067.50	2.94	1,045.511		
450.63	450.60	514.64	514.51	1.49	1.76	-170.48	-3,049.81	-337.59	3,070.17	3,066.92	3.25	945.074 CC		
457.18	457.15	523.20	523.06	1.51	1.79	-171.58	-3,049.49	-337.81	3,070.17	3,066.87	3.30	929.930		
499.88	499.81	567.90	567.72	1.66	1.96	179.16	-3,047.77	-339.00	3,070.53	3,066.92	3.61	850.672		
542.58	542.45	596.74	596.52	1.81	2.06	178.42	-3,046.72	-339.78	3,071.40	3,067.53	3.86	795.276		
585.28	585.08	629.46	629.21	1.96	2.18	179.61	-3,045.68	-340.72	3,072.63	3,068.50	4.13	744.146		
627.98	627.70	658.06	657.79	2.11	2.28	-179.42	-3,044.79	-341.49	3,073.93	3,069.54	4.38	701.514		
670.68	670.32	687.45	687.16	2.26	2.39	-178.13	-3,044.02	-342.20	3,075.69	3,071.05	4.64	663.085		
713.38	712.90	713.60	713.30	2.41	2.48	-173.36	-3,043.55	-342.74	3,078.17	3,073.29	4.88	630.219		
756.08	755.45	748.12	747.81	2.57	2.61	-174.85	-3,043.06	-343.41	3,081.25	3,076.09	5.16	597.101		
798.78	797.96	789.26	788.95	2.73	2.75	-171.34	-3,042.56	-344.15	3,084.81	3,079.35	5.46	564.961		
841.48	840.50	853.82	853.48	2.88	2.99	-164.71	-3,041.48	-345.31	3,087.71	3,081.87	5.84	528.573		
884.18	883.12	916.57	916.21	3.04	3.21	-162.57	-3,040.08	-346.41	3,089.46	3,083.24	6.22	496.899		
926.88	925.77	950.78	950.41	3.19	3.33	-162.04	-3,039.25	-347.02	3,090.44	3,083.95	6.49	476.020		
969.58	968.44	979.57	979.18	3.34	3.44	-165.23	-3,038.62	-347.61	3,091.06	3,084.31	6.75	458.106		
1,012.28	1,011.13	1,006.47	1,006.07	3.50	3.54	-166.23	-3,038.17	-348.24	3,091.38	3,084.38	7.00	441.909		
1,054.98	1,053.83	1,031.93	1,031.52	3.65	3.63	-155.74	-3,037.86	-348.96	3,091.46	3,084.22	7.24	427.129		
1,097.68	1,096.53	1,057.52	1,057.09	3.80	3.72	-73.96	-3,037.68	-349.84	3,091.46	3,083.98	7.48	413.396		
1,140.38	1,139.23	1,084.50	1,084.05	3.94	3.81	-22.95	-3,037.63	-350.94	3,091.37	3,083.65	7.72	400.425		
1,166.10	1,164.95	1,102.15	1,101.68	4.03	3.88	-33.05	-3,037.65	-351.74	3,091.33	3,083.46	7.87	392.772		
1,183.08	1,181.92	1,114.89	1,114.40	4.09	3.92	-39.83	-3,037.68	-352.34	3,091.35	3,083.38	7.97	387.693		
1,225.78	1,224.62	1,179.69	1,179.11	4.23	4.15	-51.10	-3,037.65	-355.85	3,091.34	3,082.98	8.36	369.995		
1,268.48	1,267.32	1,220.08	1,219.42	4.38	4.30	-16.27	-3,037.44	-358.35	3,090.97	3,082.32	8.65	357.399		
1,311.18	1,310.01	1,257.02	1,256.27	4.53	4.43	-15.43	-3,037.27	-360.88	3,090.41	3,081.48	8.93	346.103		
1,353.88	1,352.71	1,296.75	1,295.90	4.67	4.58	-18.33	-3,037.13	-363.64	3,089.86	3,080.64	9.22	335.093		
1,396.58	1,395.40	1,345.01	1,344.05	4.82	4.75	-20.06	-3,036.95	-366.97	3,089.23	3,079.69	9.55	323.644		
1,439.28	1,438.09	1,379.97	1,378.93	4.96	4.88	-16.06	-3,036.85	-369.27	3,088.57	3,078.75	9.82	314.513		
1,481.98	1,480.78	1,481.98	1,457.10	5.11	5.25	-19.93	-3,036.36	-373.23	3,087.60	3,077.26	10.34	298.575		
1,524.68	1,523.46	1,496.38	1,495.22	5.26	5.30	-21.25	-3,035.94	-374.41	3,086.20	3,075.66	10.54	292.790		
1,567.38	1,566.14	1,522.36	1,521.19	5.41	5.40	-21.12	-3,035.84	-375.00	3,084.98	3,074.20	10.78	286.134		
1,610.08	1,608.83	1,553.70	1,552.52	5.56	5.51	-8.78	-3,035.86	-375.78	3,084.09	3,073.05	11.04	279.324		
1,652.78	1,651.52	1,610.18	1,608.98	5.70	5.71	15.79	-3,035.81	-377.35	3,083.53	3,072.14	11.39	270.668		
1,695.48	1,694.22	1,656.36	1,655.14	5.85	5.88	21.20	-3,035.65	-378.65	3,083.08	3,071.37	11.71	263.370		
1,738.18	1,736.92	1,699.93	1,698.70	6.00	6.03	34.53	-3,035.47	-379.78	3,082.54	3,070.52	12.01	256.652		
1,780.88	1,779.61	1,736.06	1,734.82	6.15	6.16	30.95	-3,035.37	-380.59	3,082.05	3,069.76	12.29	250.827		
1,823.58	1,822.31	1,766.90	1,765.65	6.30	6.27	23.44	-3,035.39	-381.18	3,081.69	3,069.14	12.55	245.649		
1,866.28	1,865.00	1,801.82	1,800.56	6.45	6.39	19.15	-3,035.56	-381.63	3,081.31	3,068.49	12.81	240.454		
1,908.98	1,907.69	1,834.81	1,833.55	6.59	6.50	22.25	-3,035.85	-381.79	3,080.95	3,067.88	13.07	235.652		
1,951.68	1,950.39	1,874.10	1,872.85	6.74	6.63	23.33	-3,036.32	-381.81	3,080.68	3,067.33	13.35	230.699		
1,994.38	1,993.08	1,912.64	1,911.38	6.89	6.76	22.95	-3,036.78	-381.86	3,080.34	3,066.71	13.63	225.989		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ SUNSET 4-65 21-22 4BH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 24-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
2,037.08	2,035.77	1,945.58	1,944.32	7.04	6.87	20.88	-3,037.27	-381.91	3,080.10	3,066.21	13.89	221.771		
2,079.78	2,078.46	1,982.51	1,981.25	7.19	6.99	27.42	-3,037.93	-381.87	3,079.98	3,065.82	14.16	217.510		
2,099.51	2,098.18	2,000.33	1,999.06	7.26	7.05	25.72	-3,038.27	-381.83	3,079.96	3,065.68	14.29	215.559		
2,122.48	2,121.15	2,021.08	2,019.81	7.34	7.12	23.43	-3,038.67	-381.81	3,079.99	3,065.55	14.44	213.333		
2,165.18	2,163.84	2,072.84	2,071.55	7.49	7.30	21.92	-3,039.60	-381.91	3,080.00	3,065.24	14.76	208.638		
2,183.54	2,182.20	2,089.42	2,088.13	7.52	7.35	21.93	-3,039.87	-381.97	3,080.00	3,065.15	14.85	207.398		
2,200.00	2,198.65	2,104.28	2,102.99	7.55	7.40	21.93	-3,040.13	-382.01	3,080.00	3,065.07	14.93	206.300		
2,220.18	2,218.83	2,121.99	2,120.69	7.55	7.46	21.93	-3,040.45	-382.05	3,080.02	3,065.03	14.99	205.469 ES		
2,300.00	2,298.64	2,186.06	2,184.76	7.56	7.68	-83.05	-3,041.78	-382.18	3,080.91	3,065.69	15.22	202.476		
2,400.00	2,398.59	2,261.44	2,260.11	7.59	7.94	-110.75	-3,043.83	-382.64	3,084.45	3,068.95	15.50	199.011		
2,500.00	2,498.36	2,336.63	2,335.25	7.64	8.19	-116.00	-3,046.43	-383.46	3,090.70	3,074.90	15.80	195.624		
2,600.00	2,597.86	2,406.00	2,404.55	7.71	8.43	-118.12	-3,049.32	-384.54	3,099.67	3,083.57	16.10	192.553		
2,700.00	2,696.94	2,465.10	2,463.55	7.79	8.64	-119.20	-3,052.39	-385.95	3,111.70	3,095.32	16.38	189.924		
2,730.19	2,726.76	2,495.00	2,493.37	7.83	8.74	-119.45	-3,054.25	-386.93	3,116.04	3,099.52	16.52	188.614		
2,800.00	2,795.64	2,528.01	2,526.29	7.91	8.86	-119.52	-3,056.48	-388.18	3,126.53	3,109.82	16.71	187.133		
2,900.00	2,894.31	2,605.49	2,603.48	8.05	9.14	-119.67	-3,062.11	-391.66	3,142.34	3,125.23	17.11	183.676		
3,000.00	2,992.99	2,689.73	2,687.36	8.22	9.44	-119.82	-3,068.44	-396.25	3,158.57	3,141.02	17.56	179.896		
3,100.00	3,091.66	2,750.17	2,747.46	8.40	9.66	-119.91	-3,073.47	-400.19	3,175.74	3,157.80	17.93	177.094		
3,200.00	3,190.34	2,797.44	2,794.38	8.61	9.84	-119.98	-3,077.99	-403.70	3,194.24	3,175.97	18.27	174.840		
3,300.00	3,289.01	2,851.00	2,847.41	8.83	10.04	-120.05	-3,084.08	-408.06	3,214.44	3,195.79	18.65	172.390		
3,400.00	3,387.69	2,895.59	2,891.47	9.07	10.21	-120.10	-3,089.80	-411.94	3,236.09	3,217.10	19.00	170.345		
3,500.00	3,486.36	2,954.03	2,949.10	9.33	10.43	-120.17	-3,097.92	-417.23	3,259.00	3,239.58	19.42	167.834		
3,600.00	3,585.03	3,017.15	3,011.32	9.60	10.67	-120.27	-3,107.48	-421.67	3,282.99	3,263.12	19.87	165.245		
3,700.00	3,683.71	3,228.23	3,219.54	9.88	11.50	-120.53	-3,136.53	-439.75	3,305.72	3,284.73	20.99	157.525		
3,800.00	3,782.38	3,365.17	3,354.70	10.18	12.06	-120.62	-3,152.31	-455.11	3,326.67	3,304.87	21.80	152.587		
3,900.00	3,881.06	3,442.78	3,431.21	10.48	12.37	-120.65	-3,160.47	-465.28	3,346.77	3,324.39	22.37	149.588		
4,000.00	3,979.73	3,504.40	3,491.78	10.80	12.63	-120.66	-3,167.54	-474.08	3,367.88	3,345.00	22.88	147.175		
4,100.00	4,078.41	3,565.30	3,551.46	11.13	12.89	-120.65	-3,175.12	-483.58	3,390.06	3,366.66	23.40	144.884		
4,200.00	4,177.08	3,657.37	3,641.57	11.46	13.29	-120.64	-3,187.14	-498.15	3,412.86	3,388.79	24.07	141.784		
4,300.00	4,275.76	3,766.21	3,748.28	11.80	13.77	-120.64	-3,201.02	-514.47	3,435.25	3,410.42	24.83	138.339		
4,400.00	4,374.43	3,831.00	3,811.66	12.15	14.05	-120.64	-3,209.71	-524.73	3,458.34	3,432.95	25.39	136.209		
4,500.00	4,473.10	3,876.20	3,855.79	12.51	14.26	-120.63	-3,216.30	-531.98	3,482.59	3,456.74	25.85	134.698		
4,600.00	4,571.78	3,966.45	3,943.89	12.87	14.67	-120.64	-3,230.67	-545.20	3,508.05	3,481.50	26.55	132.150		
4,700.00	4,670.45	4,069.84	4,045.13	13.23	15.13	-120.68	-3,246.30	-559.21	3,532.62	3,505.31	27.31	129.371		
4,800.00	4,769.13	4,144.77	4,118.38	13.60	15.47	-120.70	-3,258.10	-569.63	3,557.85	3,529.92	27.93	127.383		
4,900.00	4,867.80	4,258.19	4,229.14	13.98	16.00	-120.71	-3,276.16	-586.10	3,583.37	3,554.61	28.76	124.606		
5,000.00	4,966.48	4,347.67	4,316.61	14.36	16.41	-120.73	-3,290.01	-598.96	3,608.40	3,578.94	29.47	122.451		
5,100.00	5,065.15	4,412.43	4,379.85	14.75	16.71	-120.74	-3,300.41	-608.18	3,634.02	3,603.97	30.06	120.911		
5,200.00	5,163.82	4,512.89	4,477.77	15.13	17.19	-120.75	-3,317.35	-622.91	3,660.44	3,629.61	30.83	118.721		
5,300.00	5,262.50	4,620.33	4,582.71	15.52	17.70	-120.77	-3,334.71	-638.12	3,686.10	3,654.45	31.65	116.464		
5,400.00	5,361.17	4,720.93	4,680.92	15.92	18.18	-120.79	-3,350.93	-652.62	3,711.77	3,679.33	32.44	114.431		
5,500.00	5,459.85	4,788.76	4,747.10	16.32	18.50	-120.80	-3,362.07	-662.45	3,737.74	3,704.68	33.05	113.078		
5,600.00	5,558.52	5,600.00	4,850.08	16.71	22.44	-120.81	-3,379.64	-677.88	3,763.92	3,727.10	36.82	102.234		
5,700.00	5,657.20	4,969.58	4,923.48	17.12	19.38	-120.83	-3,392.14	-688.62	3,790.11	3,755.58	34.54	109.737		
5,800.00	5,755.87	5,095.72	5,046.58	17.52	19.99	-120.86	-3,413.34	-706.12	3,816.40	3,780.93	35.47	107.582		
5,900.00	5,854.54	5,154.45	5,103.91	17.93	20.27	-120.87	-3,423.28	-714.12	3,842.78	3,806.73	36.05	106.597		
6,000.00	5,953.22	5,292.21	5,238.56	18.34	20.94	-120.92	-3,445.91	-732.37	3,868.43	3,831.38	37.05	104.407		
6,100.00	6,051.89	5,346.00	5,291.04	18.75	21.20	-120.93	-3,455.15	-739.72	3,894.94	3,857.33	37.60	103.580		
6,200.00	6,150.57	5,398.42	5,342.01	19.16	21.46	-120.94	-3,464.69	-747.34	3,922.51	3,884.36	38.15	102.821		
6,300.00	6,249.24	5,477.15	5,418.43	19.57	21.86	-120.95	-3,479.41	-759.29	3,950.75	3,911.90	38.84	101.711		
6,400.00	6,347.92	5,565.22	5,503.93	19.99	22.31	-120.96	-3,496.10	-772.24	3,979.20	3,939.61	39.59	100.506		
6,500.00	6,446.59	5,798.18	5,730.97	20.41	23.47	-121.01	-3,536.79	-804.72	4,006.17	3,965.02	41.14	97.369		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ SUNSET 4-65 21-22 4BH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 24-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
6,600.00	6,545.26	5,906.39	5,836.88	20.82	23.99	-121.04	-3,553.58	-819.27	4,031.14	3,989.14	42.00	95.973		
6,700.00	6,643.94	5,985.77	5,914.51	21.24	24.38	-121.06	-3,566.16	-830.02	4,056.44	4,013.73	42.71	94.983		
6,800.00	6,742.61	6,095.98	6,022.39	21.66	24.92	-121.09	-3,583.36	-844.58	4,081.47	4,037.89	43.58	93.657		
6,900.00	6,841.29	6,172.21	6,096.94	22.09	25.29	-121.11	-3,595.46	-854.95	4,106.82	4,062.56	44.27	92.770		
7,000.00	6,939.96	6,253.57	6,176.42	22.51	25.69	-121.12	-3,608.69	-866.27	4,132.58	4,087.59	44.99	91.857		
7,100.00	7,038.64	6,338.94	6,259.73	22.93	26.12	-121.14	-3,622.86	-878.35	4,158.69	4,112.95	45.73	90.932		
7,200.00	7,137.31	6,451.77	6,369.84	23.36	26.69	-121.15	-3,641.47	-894.51	4,184.71	4,138.08	46.64	89.733		
7,300.00	7,235.99	6,602.74	6,517.34	23.78	27.44	-121.17	-3,665.25	-916.16	4,210.08	4,162.33	47.75	88.172		
7,400.00	7,334.66	6,674.25	6,587.29	24.21	27.79	-121.18	-3,676.29	-926.11	4,235.01	4,186.59	48.42	87.463		
7,444.84	7,378.91	6,706.94	6,619.25	24.40	27.95	-121.19	-3,681.44	-930.65	4,246.34	4,197.61	48.73	87.148		
7,450.00	7,383.99	6,710.64	6,622.86	24.42	27.97	-119.24	-3,682.03	-931.16	4,247.65	4,198.88	48.76	87.112		
7,500.00	7,432.91	6,746.42	6,657.82	24.66	28.15	-106.32	-3,687.77	-936.20	4,260.14	4,211.03	49.12	86.731		
7,550.00	7,480.84	6,790.99	6,701.34	24.93	28.37	-99.20	-3,695.03	-942.54	4,272.23	4,222.67	49.56	86.196		
7,600.00	7,527.44	6,855.06	6,763.93	25.23	28.69	-94.72	-3,705.33	-951.54	4,283.61	4,233.46	50.16	85.404		
7,650.00	7,572.35	6,895.81	6,803.76	25.57	28.90	-91.53	-3,711.83	-957.22	4,294.26	4,243.61	50.66	84.769		
7,700.00	7,615.21	6,933.50	6,840.58	25.94	29.08	-89.13	-3,717.89	-962.51	4,304.30	4,253.12	51.18	84.097		
7,750.00	7,655.72	6,965.14	6,871.47	26.35	29.24	-87.23	-3,723.04	-967.00	4,313.71	4,261.99	51.72	83.413		
7,800.00	7,693.55	6,992.00	6,897.67	26.80	29.38	-85.68	-3,727.49	-970.85	4,322.52	4,270.26	52.27	82.704		
7,850.00	7,728.43	7,017.32	6,922.36	27.29	29.51	-84.42	-3,731.76	-974.53	4,330.72	4,277.87	52.85	81.940		
7,900.00	7,760.08	7,058.79	6,962.76	27.82	29.72	-83.54	-3,738.86	-980.61	4,338.28	4,284.70	53.58	80.963		
7,950.00	7,788.27	7,950.00	7,013.08	28.40	34.22	-82.99	-3,747.23	-987.84	4,344.73	4,286.66	58.07	74.818		
8,000.00	7,812.78	7,158.67	7,060.33	29.02	30.22	-82.61	-3,755.02	-994.58	4,350.51	4,295.21	55.30	78.671		
8,050.00	7,833.42	7,176.12	7,077.38	29.69	30.31	-82.06	-3,757.84	-997.02	4,355.71	4,299.67	56.04	77.719		
8,100.00	7,850.04	7,191.22	7,092.12	30.41	30.39	-81.60	-3,760.31	-999.16	4,360.34	4,303.52	56.82	76.738		
8,150.00	7,862.51	7,203.85	7,104.45	31.16	30.45	-81.23	-3,762.40	-1,000.97	4,364.39	4,306.77	57.63	75.737		
8,200.00	7,870.73	7,216.00	7,116.30	31.94	30.51	-80.96	-3,764.42	-1,002.72	4,367.88	4,309.42	58.46	74.711		
8,250.00	7,874.65	7,216.00	7,116.30	32.75	30.51	-80.64	-3,764.42	-1,002.72	4,370.81	4,311.55	59.26	73.761		
8,270.17	7,875.00	7,216.00	7,116.30	33.09	30.51	-80.54	-3,764.42	-1,002.72	4,371.84	4,312.25	59.58	73.376		
8,300.00	7,875.00	7,216.00	7,116.30	33.59	30.51	-80.54	-3,764.42	-1,002.72	4,373.39	4,313.32	60.07	72.804		
8,400.00	7,875.00	7,232.42	7,132.32	35.34	30.59	-80.75	-3,767.18	-1,004.98	4,380.00	4,318.13	61.88	70.784		
8,500.00	7,875.00	7,239.27	7,139.02	37.22	30.62	-80.84	-3,768.34	-1,005.85	4,388.89	4,325.17	63.71	68.884		
8,600.00	7,875.00	7,245.53	7,145.14	39.18	30.65	-80.92	-3,769.41	-1,006.62	4,400.01	4,334.39	65.61	67.060		
8,700.00	7,875.00	7,251.27	7,150.75	41.23	30.68	-80.99	-3,770.40	-1,007.29	4,413.35	4,345.79	67.56	65.326		
8,800.00	7,875.00	7,256.56	7,155.93	43.36	30.71	-81.06	-3,771.31	-1,007.88	4,428.89	4,359.36	69.54	63.691		
8,900.00	7,875.00	7,261.44	7,160.70	45.54	30.73	-81.13	-3,772.15	-1,008.40	4,446.62	4,375.08	71.54	62.159		
9,000.00	7,875.00	7,265.96	7,165.13	47.77	30.75	-81.19	-3,772.94	-1,008.87	4,466.51	4,392.96	73.54	60.732		
9,100.00	7,875.00	7,270.16	7,169.24	50.06	30.77	-81.24	-3,773.67	-1,009.29	4,488.52	4,412.97	75.55	59.408		
9,200.00	7,875.00	7,274.07	7,173.07	52.38	30.79	-81.29	-3,774.35	-1,009.67	4,512.64	4,435.08	77.56	58.186		
9,300.00	7,875.00	7,277.71	7,176.65	54.73	30.81	-81.34	-3,774.99	-1,010.01	4,538.82	4,459.28	79.54	57.062		
9,400.00	7,875.00	7,305.00	7,203.42	57.12	30.94	-81.70	-3,779.83	-1,012.19	4,567.21	4,485.52	81.68	55.914		
9,500.00	7,875.00	7,305.00	7,203.42	59.53	30.94	-81.70	-3,779.83	-1,012.19	4,597.38	4,513.78	83.60	54.991		
9,600.00	7,875.00	7,305.00	7,203.42	61.96	30.94	-81.70	-3,779.83	-1,012.19	4,629.52	4,544.03	85.49	54.150		
9,700.00	7,875.00	7,305.00	7,203.42	64.42	30.94	-81.70	-3,779.83	-1,012.19	4,663.58	4,576.23	87.35	53.387		
9,800.00	7,875.00	7,305.00	7,203.42	66.89	30.94	-81.70	-3,779.83	-1,012.19	4,699.52	4,610.35	89.18	52.699		
9,900.00	7,875.00	7,305.00	7,203.42	69.38	30.94	-81.70	-3,779.83	-1,012.19	4,737.31	4,646.34	90.96	52.080		
10,000.00	7,875.00	7,305.00	7,203.42	71.89	30.94	-81.70	-3,779.83	-1,012.19	4,776.88	4,684.18	92.71	51.528		
10,100.00	7,875.00	7,305.00	7,203.42	74.41	30.94	-81.70	-3,779.83	-1,012.19	4,818.21	4,723.80	94.41	51.036		
10,200.00	7,875.00	7,305.00	7,203.42	76.94	30.94	-81.70	-3,779.83	-1,012.19	4,861.24	4,765.18	96.07	50.603		
10,300.00	7,875.00	7,305.00	7,203.42	79.48	30.94	-81.70	-3,779.83	-1,012.19	4,905.94	4,808.26	97.68	50.224		
10,400.00	7,875.00	7,305.00	7,203.42	82.03	30.94	-81.70	-3,779.83	-1,012.19	4,952.25	4,853.00	99.25	49.897		
10,500.00	7,875.00	7,305.00	7,203.42	84.59	30.94	-81.70	-3,779.83	-1,012.19	5,000.13	4,899.35	100.77	49.617		
10,600.00	7,875.00	7,305.00	7,203.42	87.16	30.94	-81.70	-3,779.83	-1,012.19	5,049.54	4,947.28	102.25	49.383		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ SUNSET 4-65 21-22 4BH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 24-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
10,700.00	7,875.00	7,305.00	7,203.42	89.73	30.94	-81.70	-3,779.83	-1,012.19	5,100.43	4,996.74	103.69	49.191		
10,800.00	7,875.00	7,305.00	7,203.42	92.31	30.94	-81.70	-3,779.83	-1,012.19	5,152.76	5,047.68	105.07	49.039		
10,900.00	7,875.00	7,305.00	7,203.42	94.90	30.94	-81.70	-3,779.83	-1,012.19	5,206.48	5,100.06	106.42	48.925		
11,000.00	7,875.00	7,305.00	7,203.42	97.49	30.94	-81.70	-3,779.83	-1,012.19	5,261.55	5,153.84	107.72	48.846		
11,100.00	7,875.00	7,305.00	7,203.42	100.09	30.94	-81.70	-3,779.83	-1,012.19	5,317.94	5,208.97	108.97	48.800		
11,200.00	7,875.00	7,305.00	7,203.42	102.69	30.94	-81.70	-3,779.83	-1,012.19	5,375.60	5,265.41	110.19	48.786 SF		
11,300.00	7,875.00	7,305.00	7,203.42	105.30	30.94	-81.70	-3,779.83	-1,012.19	5,434.48	5,323.12	111.36	48.801		
11,400.00	7,875.00	7,305.00	7,203.42	107.91	30.94	-81.70	-3,779.83	-1,012.19	5,494.55	5,382.06	112.49	48.845		
11,500.00	7,875.00	7,305.00	7,203.42	110.53	30.94	-81.70	-3,779.83	-1,012.19	5,555.78	5,442.19	113.58	48.914		
11,600.00	7,875.00	7,305.00	7,203.42	113.15	30.94	-81.70	-3,779.83	-1,012.19	5,618.11	5,503.48	114.63	49.009		
11,700.00	7,875.00	7,305.00	7,203.42	115.77	30.94	-81.70	-3,779.83	-1,012.19	5,681.52	5,565.87	115.65	49.127		
11,800.00	7,875.00	7,305.00	7,203.42	118.40	30.94	-81.70	-3,779.83	-1,012.19	5,745.98	5,629.35	116.63	49.267		
11,900.00	7,875.00	7,305.00	7,203.42	121.03	30.94	-81.70	-3,779.83	-1,012.19	5,811.44	5,693.86	117.57	49.429		
12,000.00	7,875.00	7,305.00	7,203.42	123.66	30.94	-81.70	-3,779.83	-1,012.19	5,877.87	5,759.39	118.48	49.610		
12,100.00	7,875.00	7,305.00	7,203.42	126.29	30.94	-81.70	-3,779.83	-1,012.19	5,945.24	5,825.88	119.36	49.810		
12,200.00	7,875.00	7,305.00	7,203.42	128.93	30.94	-81.70	-3,779.83	-1,012.19	6,013.52	5,893.32	120.20	50.029		
12,300.00	7,875.00	7,305.00	7,203.42	131.57	30.94	-81.70	-3,779.83	-1,012.19	6,082.67	5,961.66	121.01	50.264		
12,400.00	7,875.00	7,305.00	7,203.42	134.21	30.94	-81.70	-3,779.83	-1,012.19	6,152.68	6,030.88	121.80	50.516		
12,500.00	7,875.00	7,305.00	7,203.42	136.85	30.94	-81.70	-3,779.83	-1,012.19	6,223.50	6,100.95	122.55	50.783		
12,600.00	7,875.00	7,305.00	7,203.42	139.49	30.94	-81.70	-3,779.83	-1,012.19	6,295.12	6,171.84	123.28	51.064		
12,700.00	7,875.00	7,305.00	7,203.42	142.14	30.94	-81.70	-3,779.83	-1,012.19	6,367.50	6,243.52	123.98	51.360		
12,800.00	7,875.00	7,305.00	7,203.42	144.79	30.94	-81.70	-3,779.83	-1,012.19	6,440.62	6,315.97	124.65	51.669		
12,900.00	7,875.00	7,305.00	7,203.42	147.44	30.94	-81.70	-3,779.83	-1,012.19	6,514.46	6,389.15	125.30	51.990		
13,000.00	7,875.00	7,305.00	7,203.42	150.09	30.94	-81.70	-3,779.83	-1,012.19	6,588.98	6,463.05	125.93	52.324		
13,100.00	7,875.00	7,305.00	7,203.42	152.74	30.94	-81.70	-3,779.83	-1,012.19	6,664.17	6,537.64	126.53	52.669		
13,200.00	7,875.00	7,305.00	7,203.42	155.39	30.94	-81.70	-3,779.83	-1,012.19	6,740.01	6,612.90	127.11	53.025		
13,300.00	7,875.00	7,305.00	7,203.42	158.05	30.94	-81.70	-3,779.83	-1,012.19	6,816.47	6,688.80	127.67	53.391		
13,400.00	7,875.00	7,305.00	7,203.42	160.70	30.94	-81.70	-3,779.83	-1,012.19	6,893.53	6,765.33	128.21	53.768		
13,500.00	7,875.00	7,305.00	7,203.42	163.36	30.94	-81.70	-3,779.83	-1,012.19	6,971.18	6,842.45	128.73	54.154		
13,600.00	7,875.00	7,305.00	7,203.42	166.02	30.94	-81.70	-3,779.83	-1,012.19	7,049.39	6,920.16	129.23	54.549		
13,700.00	7,875.00	7,305.00	7,203.42	168.68	30.94	-81.70	-3,779.83	-1,012.19	7,128.14	6,998.43	129.71	54.953		
13,800.00	7,875.00	7,305.00	7,203.42	171.34	30.94	-81.70	-3,779.83	-1,012.19	7,207.42	7,077.24	130.18	55.365		
13,900.00	7,875.00	7,305.00	7,203.42	174.00	30.94	-81.70	-3,779.83	-1,012.19	7,287.21	7,156.59	130.63	55.785		
14,000.00	7,875.00	7,305.00	7,203.42	176.66	30.94	-81.70	-3,779.83	-1,012.19	7,367.50	7,236.44	131.06	56.213		
14,100.00	7,875.00	7,305.00	7,203.42	179.33	30.94	-81.70	-3,779.83	-1,012.19	7,448.26	7,316.78	131.48	56.649		
14,200.00	7,875.00	7,305.00	7,203.42	181.99	30.94	-81.70	-3,779.83	-1,012.19	7,529.48	7,397.60	131.89	57.091		
14,300.00	7,875.00	7,305.00	7,203.42	184.66	30.94	-81.70	-3,779.83	-1,012.19	7,611.15	7,478.88	132.28	57.540		
14,400.00	7,875.00	7,305.00	7,203.42	187.32	30.94	-81.70	-3,779.83	-1,012.19	7,693.26	7,560.60	132.65	57.995		
14,500.00	7,875.00	7,305.00	7,203.42	189.99	30.94	-81.70	-3,779.83	-1,012.19	7,775.78	7,642.76	133.02	58.457		
14,600.00	7,875.00	7,305.00	7,203.42	192.66	30.94	-81.70	-3,779.83	-1,012.19	7,858.71	7,725.34	133.37	58.925		
14,700.00	7,875.00	7,305.00	7,203.42	195.32	30.94	-81.70	-3,779.83	-1,012.19	7,942.03	7,808.32	133.71	59.398		
14,800.00	7,875.00	7,305.00	7,203.42	197.99	30.94	-81.70	-3,779.83	-1,012.19	8,025.73	7,891.69	134.04	59.877		
14,900.00	7,875.00	7,305.00	7,203.42	200.66	30.94	-81.70	-3,779.83	-1,012.19	8,109.80	7,975.45	134.35	60.361		
15,000.00	7,875.00	7,305.00	7,203.42	203.33	30.94	-81.70	-3,779.83	-1,012.19	8,194.23	8,059.57	134.66	60.851		
15,100.00	7,875.00	7,305.00	7,203.42	206.00	30.94	-81.70	-3,779.83	-1,012.19	8,279.01	8,144.05	134.96	61.345		
15,200.00	7,875.00	7,343.43	7,241.15	208.67	31.11	-82.20	-3,786.82	-1,014.08	8,363.36	8,227.74	135.62	61.669		
15,300.00	7,875.00	7,343.78	7,241.50	211.34	31.11	-82.20	-3,786.88	-1,014.09	8,448.78	8,312.88	135.90	62.170		
15,400.00	7,875.00	7,344.12	7,241.83	214.01	31.11	-82.21	-3,786.95	-1,014.10	8,534.52	8,398.35	136.17	62.675		
15,500.00	7,875.00	7,344.45	7,242.16	216.69	31.11	-82.21	-3,787.01	-1,014.11	8,620.57	8,484.13	136.44	63.184		
15,600.00	7,875.00	7,344.78	7,242.48	219.36	31.11	-82.22	-3,787.07	-1,014.12	8,706.92	8,570.22	136.69	63.697		
15,700.00	7,875.00	7,345.10	7,242.80	222.03	31.11	-82.22	-3,787.13	-1,014.12	8,793.55	8,656.61	136.94	64.214		
15,800.00	7,875.00	7,345.41	7,243.10	224.71	31.12	-82.23	-3,787.19	-1,014.13	8,880.47	8,743.28	137.18	64.735		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ SUNSET 4-65 21-22 4BH - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 24-MWD OWSG												Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor	
15,900.00	7,875.00	7,345.72	7,243.41	227.38	31.12	-82.23	-3,787.24	-1,014.14	8,967.65	8,830.24	137.42	65.260	
16,000.00	7,875.00	7,346.02	7,243.70	230.05	31.12	-82.23	-3,787.30	-1,014.15	9,055.11	8,917.47	137.64	65.787	
16,100.00	7,875.00	7,346.32	7,243.99	232.73	31.12	-82.24	-3,787.35	-1,014.16	9,142.82	9,004.96	137.86	66.319	
16,200.00	7,875.00	7,346.60	7,244.27	235.40	31.12	-82.24	-3,787.41	-1,014.17	9,230.78	9,092.70	138.08	66.853	
16,300.00	7,875.00	7,346.89	7,244.55	238.08	31.12	-82.24	-3,787.46	-1,014.17	9,318.98	9,180.70	138.28	67.391	
16,400.00	7,875.00	7,347.16	7,244.82	240.76	31.12	-82.25	-3,787.51	-1,014.18	9,407.42	9,268.93	138.48	67.931	
16,500.00	7,875.00	7,347.43	7,245.09	243.43	31.12	-82.25	-3,787.56	-1,014.19	9,496.09	9,357.41	138.68	68.475	
16,600.00	7,875.00	7,347.70	7,245.35	246.11	31.13	-82.26	-3,787.61	-1,014.20	9,584.98	9,446.11	138.87	69.021	
16,700.00	7,875.00	7,347.96	7,245.61	248.78	31.13	-82.26	-3,787.66	-1,014.20	9,674.09	9,535.03	139.05	69.570	
16,800.00	7,875.00	7,348.22	7,245.86	251.46	31.13	-82.26	-3,787.71	-1,014.21	9,763.40	9,624.17	139.23	70.122	
16,900.00	7,875.00	7,348.47	7,246.10	254.14	31.13	-82.27	-3,787.75	-1,014.22	9,852.93	9,713.52	139.41	70.676	
17,000.00	7,875.00	7,348.71	7,246.35	256.82	31.13	-82.27	-3,787.80	-1,014.22	9,942.65	9,803.07	139.58	71.233	

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXISTING HZ SUNSET 4-65 21-22 1BH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 24-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	5.00	5.00	0.00	0.00	141.55	-117.29	93.15	149.78					
29.48	29.48	34.27	34.27	0.02	0.04	-45.62	-117.32	93.13	149.71	149.66	0.05	2,995.520		
52.76	52.76	57.40	57.40	0.09	0.12	-40.24	-117.39	93.12	149.67	149.46	0.21	698.916 CC		
60.08	60.08	64.65	64.65	0.12	0.15	-33.75	-117.41	93.12	149.68	149.41	0.27	564.552		
121.28	121.28	124.94	124.94	0.33	0.36	137.19	-117.95	92.98	150.26	149.57	0.69	216.271		
151.88	151.88	155.69	155.68	0.44	0.47	51.63	-118.40	92.83	150.52	149.61	0.91	165.319		
158.12	158.11	161.96	161.95	0.46	0.50	50.18	-118.49	92.79	150.52	149.56	0.95	157.656		
182.48	182.47	186.49	186.48	0.55	0.58	-65.20	-118.85	92.62	150.59	149.47	1.13	133.483		
213.08	213.07	217.54	217.53	0.65	0.69	-53.46	-119.22	92.39	150.68	149.33	1.35	111.843		
243.68	243.67	248.00	247.98	0.76	0.80	-98.31	-119.60	92.09	150.77	149.21	1.56	96.383		
286.38	286.37	290.59	290.56	0.91	0.96	-56.08	-120.31	91.54	150.91	149.04	1.87	80.773		
329.08	329.07	333.86	333.82	1.06	1.11	-66.51	-121.05	90.78	150.82	148.65	2.18	69.311		
348.46	348.45	353.06	353.01	1.13	1.18	-75.50	-121.36	90.45	150.79	148.47	2.31	65.162		
371.78	371.77	376.25	376.20	1.22	1.27	-89.63	-121.71	90.12	150.84	148.36	2.48	60.811		
414.48	414.46	419.35	419.29	1.36	1.42	161.23	-122.11	89.75	151.25	148.47	2.78	54.336		
457.18	457.15	462.04	461.99	1.51	1.57	145.69	-122.30	89.57	152.29	149.21	3.08	49.391		
499.88	499.81	504.52	504.46	1.66	1.73	136.93	-122.52	89.38	153.80	150.42	3.38	45.459		
542.58	542.45	546.87	546.82	1.81	1.88	136.86	-122.83	89.18	155.61	151.93	3.68	42.245		
585.28	585.08	589.64	589.58	1.96	2.03	138.78	-123.18	88.95	157.59	153.60	3.99	39.534		
627.98	627.70	632.31	632.25	2.11	2.18	140.46	-123.52	88.67	159.58	155.29	4.29	37.208		
670.68	670.32	674.78	674.72	2.26	2.34	142.48	-123.90	88.35	161.86	157.27	4.59	35.244		
713.38	712.90	717.36	717.30	2.41	2.49	148.05	-124.34	87.96	164.62	159.72	4.90	33.610		
756.08	755.45	760.35	760.27	2.57	2.64	147.42	-124.77	87.46	167.78	162.57	5.21	32.232		
798.78	797.96	803.72	803.64	2.73	2.80	151.82	-125.04	86.86	171.18	165.67	5.51	31.050		
841.48	840.50	846.09	846.00	2.88	2.95	159.25	-125.24	86.19	174.29	168.48	5.82	29.970		
884.18	883.12	887.46	887.36	3.04	3.10	161.95	-125.67	85.53	176.90	170.79	6.11	28.933		
926.88	925.77	931.54	931.43	3.19	3.26	163.04	-126.19	84.60	178.84	172.42	6.42	27.845		
969.58	968.44	972.84	972.72	3.34	3.41	160.34	-126.75	83.69	180.33	173.60	6.72	26.826		
1,012.28	1,011.13	1,016.21	1,016.08	3.50	3.56	159.78	-127.34	82.78	181.32	174.29	7.03	25.794		
1,054.98	1,053.83	1,060.11	1,059.97	3.65	3.72	170.64	-127.70	81.80	181.65	174.31	7.34	24.755		
1,097.68	1,096.53	1,104.32	1,104.15	3.80	3.88	-107.21	-127.86	80.48	181.39	173.75	7.65	23.726		
1,140.38	1,139.23	1,148.59	1,148.39	3.94	4.03	-55.83	-127.81	78.79	180.54	172.59	7.95	22.710		
1,183.08	1,181.92	1,193.82	1,193.55	4.09	4.20	-72.21	-127.44	76.36	179.05	170.79	8.26	21.689		
1,225.78	1,224.62	1,237.69	1,237.32	4.23	4.35	-82.90	-126.87	73.48	177.25	168.69	8.56	20.712		
1,268.48	1,267.32	1,281.48	1,280.96	4.38	4.51	-47.30	-126.27	69.91	175.02	166.15	8.86	19.752		
1,311.18	1,310.01	1,324.42	1,323.69	4.53	4.67	-45.44	-125.80	65.57	172.33	163.17	9.16	18.807		
1,353.88	1,352.71	1,366.54	1,365.51	4.67	4.82	-47.04	-125.74	60.60	169.78	160.31	9.47	17.934		
1,396.58	1,395.40	1,409.48	1,408.05	4.82	4.98	-47.18	-125.85	54.77	167.19	157.42	9.78	17.104		
1,439.28	1,438.09	1,451.63	1,449.72	4.96	5.14	-41.32	-126.22	48.41	164.73	154.64	10.09	16.334		
1,481.98	1,480.78	1,494.27	1,491.73	5.11	5.31	-43.03	-126.73	41.21	162.32	151.92	10.40	15.607		
1,524.68	1,523.46	1,536.42	1,533.20	5.26	5.48	-42.00	-127.35	33.68	160.05	149.34	10.72	14.933		
1,567.38	1,566.14	1,579.18	1,575.23	5.41	5.65	-39.34	-127.92	25.78	157.92	146.88	11.04	14.305		
1,610.08	1,608.83	1,621.87	1,617.21	5.56	5.83	-24.40	-128.24	18.06	155.97	144.61	11.36	13.727		
1,652.78	1,651.52	1,663.57	1,658.20	5.70	6.00	2.90	-128.55	10.42	154.64	142.96	11.68	13.237		
1,695.48	1,694.22	1,705.51	1,699.47	5.85	6.18	11.10	-128.90	2.90	153.90	141.90	12.00	12.822		
1,738.18	1,736.92	1,747.63	1,740.94	6.00	6.35	27.21	-129.22	-4.43	153.47	141.14	12.32	12.454		
1,784.10	1,782.83	1,793.10	1,786.03	6.09	6.46	26.88	-129.41	-8.78	153.38	140.86	12.52	12.255		
1,780.88	1,779.61	1,789.55	1,782.24	6.15	6.53	26.35	-129.54	-11.55	153.42	140.78	12.64	12.137 ES		
1,823.58	1,822.31	1,831.46	1,823.53	6.30	6.70	21.59	-129.92	-18.75	153.78	140.82	12.96	11.868		
1,866.28	1,865.00	1,873.95	1,865.31	6.45	6.89	20.22	-130.13	-26.48	154.26	140.98	13.28	11.617		
1,908.98	1,907.69	1,914.90	1,905.52	6.59	7.06	26.26	-130.37	-34.28	155.15	141.56	13.59	11.417		
1,951.68	1,950.39	1,955.40	1,945.25	6.74	7.24	30.24	-130.89	-42.12	156.77	142.88	13.89	11.283		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 24-MWD OWSG												Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor	
1,994.38	1,993.08	1,995.67	1,984.68	6.89	7.42	32.78	-131.71	-50.23	159.18	144.98	14.19	11.216	
2,037.08	2,035.77	2,038.95	2,027.01	7.04	7.62	33.83	-132.51	-59.17	161.99	147.48	14.52	11.160	
2,079.78	2,078.46	2,079.53	2,066.72	7.19	7.81	43.20	-133.21	-67.56	165.25	150.44	14.81	11.158 SF	
2,122.48	2,121.15	2,122.88	2,109.16	7.34	8.00	42.07	-133.98	-76.33	168.91	153.78	15.13	11.164	
2,165.18	2,163.84	2,163.24	2,148.73	7.49	8.19	42.98	-134.82	-84.21	172.96	157.54	15.42	11.219	
2,200.00	2,198.65	2,197.15	2,181.99	7.55	8.34	44.86	-135.74	-90.77	176.66	161.06	15.60	11.326	
2,220.18	2,218.83	2,216.88	2,201.34	7.55	8.43	45.93	-136.29	-94.61	178.90	163.23	15.67	11.417	
2,300.00	2,298.64	2,295.39	2,278.34	7.56	8.80	-55.26	-138.50	-109.77	188.44	172.47	15.97	11.802	
2,400.00	2,398.59	2,394.17	2,375.26	7.59	9.25	-79.60	-141.32	-128.65	201.36	185.00	16.37	12.304	
2,500.00	2,498.36	2,487.98	2,467.05	7.64	9.70	-82.64	-144.13	-147.76	215.74	199.00	16.74	12.888	
2,600.00	2,597.86	2,576.77	2,552.90	7.71	10.16	-82.80	-146.87	-170.16	233.63	216.54	17.08	13.677	
2,700.00	2,696.94	2,675.58	2,647.67	7.79	10.69	-82.37	-150.28	-197.94	253.79	236.19	17.60	14.419	
2,730.19	2,726.76	2,704.23	2,675.21	7.83	10.85	-82.41	-151.41	-205.73	259.76	242.01	17.75	14.633	
2,800.00	2,795.64	2,771.34	2,739.54	7.91	11.22	-82.13	-153.91	-224.68	273.95	255.83	18.12	15.116	
2,900.00	2,894.31	2,879.96	2,844.28	8.05	11.81	-81.95	-157.18	-253.24	292.38	273.56	18.83	15.529	
3,000.00	2,992.99	2,987.05	2,948.43	8.22	12.36	-82.14	-159.42	-278.04	307.97	288.45	19.51	15.782	
3,100.00	3,091.66	3,094.79	3,054.10	8.40	12.88	-82.77	-161.12	-298.98	320.56	300.35	20.21	15.862	
3,200.00	3,190.34	3,197.21	3,155.05	8.61	13.35	-83.67	-162.72	-316.17	331.36	310.49	20.87	15.875	
3,300.00	3,289.01	3,297.68	3,254.12	8.83	13.81	-84.45	-163.76	-332.87	341.73	320.19	21.54	15.866	
3,400.00	3,387.69	3,396.48	3,351.52	9.07	14.26	-85.14	-164.58	-349.41	352.09	329.88	22.21	15.852	
3,500.00	3,486.36	3,496.20	3,449.80	9.33	14.72	-85.78	-165.40	-366.28	362.61	339.70	22.91	15.831	
3,600.00	3,585.03	3,597.03	3,549.31	9.60	15.17	-86.48	-166.25	-382.54	372.67	349.05	23.62	15.776	
3,700.00	3,683.71	3,694.39	3,645.33	9.88	15.61	-87.10	-167.19	-398.55	383.08	358.76	24.33	15.746	
3,800.00	3,782.38	3,794.19	3,743.72	10.18	16.07	-87.67	-168.21	-415.29	393.80	368.73	25.06	15.711	
3,900.00	3,881.06	3,894.90	3,843.04	10.48	16.53	-88.24	-169.05	-431.85	404.19	378.37	25.82	15.656	
4,000.00	3,979.73	3,995.85	3,942.64	10.80	16.99	-88.75	-169.57	-448.38	414.32	387.74	26.58	15.587	
4,100.00	4,078.41	4,093.34	4,038.81	11.13	17.43	-89.23	-170.05	-464.30	424.44	397.10	27.33	15.529	
4,200.00	4,177.08	4,192.01	4,136.13	11.46	17.88	-89.70	-170.89	-480.58	434.98	406.88	28.10	15.479	
4,300.00	4,275.76	4,290.18	4,232.92	11.80	18.33	-90.14	-171.79	-496.97	445.71	416.84	28.87	15.437	
4,400.00	4,374.43	4,386.16	4,327.57	12.15	18.76	-90.62	-173.51	-512.82	457.06	427.43	29.64	15.422	
4,500.00	4,473.10	4,484.88	4,424.93	12.51	19.21	-91.15	-175.81	-528.97	468.80	438.38	30.43	15.408	
4,600.00	4,571.78	4,584.78	4,523.45	12.87	19.67	-91.65	-178.21	-545.35	480.67	449.44	31.23	15.391	
4,700.00	4,670.45	4,685.43	4,622.71	13.23	20.13	-92.10	-180.13	-561.88	492.17	460.12	32.04	15.359	
4,800.00	4,769.13	4,783.75	4,719.69	13.60	20.58	-92.54	-182.08	-577.95	503.71	470.86	32.85	15.335	
4,900.00	4,867.80	4,882.96	4,817.55	13.98	21.03	-92.97	-184.25	-594.14	515.44	481.78	33.66	15.313	
5,000.00	4,966.48	4,982.20	4,915.44	14.36	21.48	-93.38	-186.40	-610.28	527.16	492.68	34.48	15.290	
5,100.00	5,065.15	5,083.46	5,015.33	14.75	21.94	-93.79	-188.52	-626.69	538.80	503.49	35.31	15.259	
5,200.00	5,163.82	5,199.28	5,130.38	15.13	22.42	-94.78	-191.21	-639.51	547.83	511.60	36.22	15.123	
5,300.00	5,262.50	5,286.04	5,216.37	15.52	22.78	-95.30	-192.44	-650.94	557.42	520.45	36.97	15.079	
5,400.00	5,361.17	5,373.43	5,302.47	15.92	23.18	-95.54	-194.23	-665.75	569.49	531.78	37.71	15.101	
5,500.00	5,459.85	5,470.00	5,397.39	16.32	23.64	-95.71	-196.65	-683.34	582.64	544.11	38.53	15.122	
5,600.00	5,558.52	5,567.10	5,492.75	16.71	24.11	-95.84	-199.21	-701.51	596.16	556.81	39.36	15.148	
5,700.00	5,657.20	5,668.44	5,592.20	17.12	24.60	-95.94	-201.86	-720.79	609.83	569.62	40.22	15.163	
5,800.00	5,755.87	5,770.82	5,692.78	17.52	25.09	-96.05	-203.99	-739.79	622.81	581.71	41.09	15.156	
5,900.00	5,854.54	5,868.10	5,788.33	17.93	25.56	-96.14	-205.85	-757.96	635.69	593.76	41.93	15.162	
6,000.00	5,953.22	5,967.74	5,886.18	18.34	26.04	-96.22	-207.97	-776.61	648.79	606.01	42.78	15.165	
6,100.00	6,051.89	6,069.86	5,986.46	18.75	26.53	-96.28	-209.71	-795.87	661.59	617.93	43.66	15.153	
6,200.00	6,150.57	6,167.42	6,082.27	19.16	27.00	-96.35	-211.38	-814.15	674.35	629.85	44.51	15.152	
6,300.00	6,249.24	6,267.86	6,180.95	19.57	27.48	-96.42	-213.17	-832.83	687.09	641.72	45.37	15.144	
6,400.00	6,347.92	6,368.59	6,280.00	19.99	27.96	-96.54	-215.02	-851.00	699.61	653.36	46.24	15.129	
6,500.00	6,446.59	6,471.74	6,381.47	20.41	28.44	-96.65	-216.67	-869.48	711.85	664.72	47.13	15.104	
6,600.00	6,545.26	6,569.58	6,477.68	20.82	28.91	-96.72	-217.59	-887.23	723.64	675.66	47.98	15.082	

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXISTING HZ SUNSET 4-65 21-22 1BH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 24-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
6,700.00	6,643.94	6,664.08	6,570.65	21.24	29.35	-96.83	-219.32	-904.08	736.05	687.25	48.81	15.081		
6,800.00	6,742.61	6,765.94	6,670.87	21.66	29.83	-96.97	-221.52	-922.14	748.70	699.01	49.69	15.067		
6,900.00	6,841.29	6,866.39	6,769.71	22.09	30.31	-97.08	-223.23	-939.97	760.97	710.41	50.56	15.050		
7,000.00	6,939.96	6,967.33	6,869.09	22.51	30.78	-97.21	-224.98	-957.58	773.12	721.68	51.44	15.030		
7,100.00	7,038.64	7,071.53	6,971.66	22.93	31.27	-97.30	-226.05	-975.92	784.73	732.39	52.34	14.993		
7,200.00	7,137.31	7,172.25	7,070.82	23.36	31.74	-97.38	-226.78	-993.55	796.02	742.81	53.22	14.958		
7,300.00	7,235.99	7,294.46	7,191.41	23.78	32.29	-97.58	-227.20	-1,013.20	806.42	752.21	54.21	14.875		
7,400.00	7,334.66	7,488.61	7,384.79	24.21	32.80	-100.15	-229.19	-1,008.41	808.22	753.08	55.14	14.658		
7,444.84	7,378.91	7,555.57	7,450.29	24.40	32.89	-101.80	-230.88	-994.71	806.46	751.04	55.42	14.552		
7,450.00	7,383.99	7,563.01	7,457.49	24.42	32.90	-100.22	-231.09	-992.86	806.19	750.74	55.45	14.538		
7,500.00	7,432.91	7,635.70	7,526.70	24.66	32.97	-91.43	-233.52	-970.87	802.02	746.25	55.78	14.380		
7,550.00	7,480.84	7,700.64	7,586.19	24.93	33.01	-89.00	-236.19	-945.02	795.79	739.62	56.16	14.169		
7,600.00	7,527.44	7,759.84	7,638.57	25.23	33.03	-89.40	-238.27	-917.53	788.50	731.89	56.60	13.930		
7,650.00	7,572.35	7,850.00	7,686.24	25.57	32.99	-91.43	-238.50	-886.10	779.62	722.63	56.99	13.679		
7,700.00	7,615.21	7,944.91	7,784.06	25.94	33.11	-99.53	-233.41	-804.48	771.49	714.47	57.02	13.530		
7,750.00	7,655.72	7,750.00	7,761.64	26.35	33.02	-96.67	-235.29	-825.36	765.71	707.77	57.94	13.216		
7,800.00	7,693.55	7,950.99	7,788.27	26.80	33.12	-98.78	-232.99	-800.11	763.27	704.79	58.48	13.052		
7,813.30	7,703.13	7,950.97	7,788.26	26.93	33.12	-98.60	-232.99	-800.12	763.15	704.51	58.64	13.014		
7,850.00	7,728.43	7,949.14	7,787.00	27.29	33.12	-97.90	-233.13	-801.44	764.04	705.02	59.02	12.945		
7,900.00	7,760.08	7,950.33	7,787.78	27.82	33.11	-97.06	-232.95	-800.55	768.03	708.61	59.41	12.927		
7,950.00	7,788.27	7,934.24	7,776.65	28.40	33.11	-94.75	-234.27	-812.10	775.20	715.46	59.73	12.977		
8,000.00	7,812.78	7,915.70	7,763.45	29.02	33.10	-92.08	-235.59	-825.06	785.10	725.17	59.93	13.100		
8,050.00	7,833.42	7,895.44	7,748.58	29.69	33.09	-89.14	-236.78	-838.76	797.35	737.34	60.02	13.285		
8,100.00	7,850.04	7,873.93	7,732.29	30.41	33.08	-86.01	-237.77	-852.78	811.57	751.55	60.02	13.522		
8,150.00	7,862.51	7,851.50	7,714.79	31.16	33.07	-82.76	-238.48	-866.78	827.36	767.40	59.96	13.798		
8,200.00	7,870.73	7,828.47	7,696.31	31.94	33.06	-79.46	-238.89	-880.51	844.32	784.46	59.87	14.103		
8,250.00	7,874.65	7,804.78	7,676.81	32.75	33.05	-76.18	-238.98	-893.96	862.09	802.33	59.75	14.427		
8,270.17	7,875.00	7,795.05	7,668.66	33.09	33.05	-74.87	-238.93	-899.28	869.39	809.69	59.70	14.562		
8,300.00	7,875.00	7,781.06	7,656.82	33.59	33.04	-74.06	-238.75	-906.72	880.56	820.93	59.63	14.768		
8,400.00	7,875.00	7,741.93	7,622.92	35.34	33.03	-71.77	-237.69	-926.22	922.50	863.17	59.33	15.547		
8,500.00	7,875.00	7,711.41	7,595.85	37.22	33.01	-69.97	-236.60	-940.28	971.28	912.26	59.02	16.456		
8,600.00	7,875.00	7,684.62	7,571.71	39.18	33.00	-68.39	-235.55	-951.84	1,026.26	967.57	58.69	17.485		
8,700.00	7,875.00	7,665.00	7,553.81	41.23	32.99	-67.24	-234.72	-959.84	1,086.72	1,028.31	58.42	18.603		
8,800.00	7,875.00	7,665.00	7,553.81	43.36	32.99	-67.24	-234.72	-959.84	1,152.42	1,094.07	58.35	19.750		
8,900.00	7,875.00	7,631.39	7,522.67	45.54	32.96	-65.28	-233.35	-972.38	1,221.58	1,163.70	57.88	21.106		
9,000.00	7,875.00	7,618.57	7,510.62	47.77	32.95	-64.54	-232.88	-976.74	1,294.77	1,237.11	57.66	22.455		
9,100.00	7,875.00	7,607.05	7,499.72	50.06	32.94	-63.87	-232.47	-980.45	1,371.05	1,313.58	57.46	23.859		
9,200.00	7,875.00	7,575.00	7,469.07	52.38	32.92	-62.04	-231.44	-989.75	1,450.46	1,393.42	57.05	25.426		
9,300.00	7,875.00	7,575.00	7,469.07	54.73	32.92	-62.04	-231.44	-989.75	1,531.33	1,474.32	57.01	26.863		
9,400.00	7,875.00	7,575.00	7,469.07	57.12	32.92	-62.04	-231.44	-989.75	1,614.34	1,557.38	56.96	28.340		
9,500.00	7,875.00	7,575.00	7,469.07	59.53	32.92	-62.04	-231.44	-989.75	1,699.18	1,642.26	56.92	29.851		
9,600.00	7,875.00	7,575.00	7,469.07	61.96	32.92	-62.04	-231.44	-989.75	1,785.59	1,728.71	56.88	31.391		
9,700.00	7,875.00	7,575.00	7,469.07	64.42	32.92	-62.04	-231.44	-989.75	1,873.36	1,816.51	56.85	32.955		
9,800.00	7,875.00	7,545.66	7,440.67	66.89	32.88	-60.40	-230.61	-997.06	1,961.59	1,905.03	56.56	34.683		
9,900.00	7,875.00	7,538.70	7,433.89	69.38	32.87	-60.02	-230.42	-998.65	2,051.18	1,994.70	56.48	36.317		
10,000.00	7,875.00	7,532.21	7,427.56	71.89	32.86	-59.66	-230.25	-1,000.08	2,141.62	2,085.20	56.41	37.963		
10,100.00	7,875.00	7,526.14	7,421.64	74.41	32.85	-59.33	-230.09	-1,001.38	2,232.81	2,176.46	56.36	39.620		
10,200.00	7,875.00	7,520.46	7,416.08	76.94	32.84	-59.02	-229.95	-1,002.55	2,324.68	2,268.37	56.31	41.285		
10,300.00	7,875.00	7,486.00	7,382.21	79.48	32.80	-57.18	-229.13	-1,008.84	2,417.81	2,361.77	56.04	43.143		
10,400.00	7,875.00	7,486.00	7,382.21	82.03	32.80	-57.18	-229.13	-1,008.84	2,510.60	2,454.55	56.05	44.790		
10,500.00	7,875.00	7,486.00	7,382.21	84.59	32.80	-57.18	-229.13	-1,008.84	2,603.93	2,547.86	56.07	46.444		
10,600.00	7,875.00	7,486.00	7,382.21	87.16	32.80	-57.18	-229.13	-1,008.84	2,697.73	2,641.65	56.08	48.105		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 24-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
10,700.00	7,875.00	7,486.00	7,382.21	89.73	32.80	-57.18	-229.13	-1,008.84	2,791.96	2,735.87	56.10	49.771		
10,800.00	7,875.00	7,486.00	7,382.21	92.31	32.80	-57.18	-229.13	-1,008.84	2,886.58	2,830.47	56.11	51.442		
10,900.00	7,875.00	7,486.00	7,382.21	94.90	32.80	-57.18	-229.13	-1,008.84	2,981.55	2,925.42	56.13	53.117		
11,000.00	7,875.00	7,486.00	7,382.21	97.49	32.80	-57.18	-229.13	-1,008.84	3,076.85	3,020.69	56.15	54.795		
11,100.00	7,875.00	7,486.00	7,382.21	100.09	32.80	-57.18	-229.13	-1,008.84	3,172.43	3,116.25	56.17	56.475		
11,200.00	7,875.00	7,486.00	7,382.21	102.69	32.80	-57.18	-229.13	-1,008.84	3,268.27	3,212.07	56.20	58.157		
11,300.00	7,875.00	7,486.00	7,382.21	105.30	32.80	-57.18	-229.13	-1,008.84	3,364.36	3,308.14	56.22	59.841		
11,400.00	7,875.00	7,486.00	7,382.21	107.91	32.80	-57.18	-229.13	-1,008.84	3,460.67	3,404.42	56.25	61.525		
11,500.00	7,875.00	7,486.00	7,382.21	110.53	32.80	-57.18	-229.13	-1,008.84	3,557.18	3,500.90	56.28	63.209		
11,600.00	7,875.00	7,486.00	7,382.21	113.15	32.80	-57.18	-229.13	-1,008.84	3,653.88	3,597.57	56.31	64.894		
11,700.00	7,875.00	7,486.00	7,382.21	115.77	32.80	-57.18	-229.13	-1,008.84	3,750.75	3,694.42	56.34	66.578		
11,800.00	7,875.00	7,486.00	7,382.21	118.40	32.80	-57.18	-229.13	-1,008.84	3,847.78	3,791.42	56.37	68.262		
11,900.00	7,875.00	7,486.00	7,382.21	121.03	32.80	-57.18	-229.13	-1,008.84	3,944.97	3,888.56	56.40	69.944		
12,000.00	7,875.00	7,486.00	7,382.21	123.66	32.80	-57.18	-229.13	-1,008.84	4,042.28	3,985.85	56.44	71.626		
12,100.00	7,875.00	7,486.00	7,382.21	126.29	32.80	-57.18	-229.13	-1,008.84	4,139.73	4,083.26	56.47	73.305		
12,200.00	7,875.00	7,486.00	7,382.21	128.93	32.80	-57.18	-229.13	-1,008.84	4,237.30	4,180.79	56.51	74.983		
12,300.00	7,875.00	7,486.00	7,382.21	131.57	32.80	-57.18	-229.13	-1,008.84	4,334.97	4,278.42	56.55	76.659		
12,400.00	7,875.00	7,486.00	7,382.21	134.21	32.80	-57.18	-229.13	-1,008.84	4,432.75	4,376.16	56.59	78.333		
12,500.00	7,875.00	7,486.00	7,382.21	136.85	32.80	-57.18	-229.13	-1,008.84	4,530.63	4,474.00	56.63	80.004		
12,600.00	7,875.00	7,486.00	7,382.21	139.49	32.80	-57.18	-229.13	-1,008.84	4,628.60	4,571.92	56.67	81.673		
12,700.00	7,875.00	7,486.00	7,382.21	142.14	32.80	-57.18	-229.13	-1,008.84	4,726.65	4,669.93	56.72	83.339		
12,800.00	7,875.00	7,448.16	7,344.73	144.79	32.72	-55.24	-228.41	-1,013.99	4,823.62	4,767.05	56.57	85.264		
12,900.00	7,875.00	7,446.77	7,343.36	147.44	32.72	-55.17	-228.39	-1,014.14	4,921.75	4,865.14	56.61	86.935		
13,000.00	7,875.00	7,445.44	7,342.03	150.09	32.72	-55.10	-228.37	-1,014.29	5,019.95	4,963.29	56.66	88.603		
13,100.00	7,875.00	7,444.15	7,340.75	152.74	32.72	-55.04	-228.35	-1,014.42	5,118.21	5,061.51	56.70	90.267		
13,200.00	7,875.00	7,442.90	7,339.50	155.39	32.71	-54.97	-228.33	-1,014.55	5,216.53	5,159.79	56.75	91.927		
13,300.00	7,875.00	7,441.69	7,338.30	158.05	32.71	-54.91	-228.31	-1,014.67	5,314.92	5,258.13	56.79	93.584		
13,400.00	7,875.00	7,440.52	7,337.14	160.70	32.71	-54.86	-228.30	-1,014.79	5,413.36	5,356.52	56.84	95.237		
13,500.00	7,875.00	7,439.39	7,336.02	163.36	32.71	-54.80	-228.28	-1,014.90	5,511.86	5,454.97	56.89	96.886		
13,600.00	7,875.00	7,438.29	7,334.93	166.02	32.70	-54.74	-228.27	-1,015.01	5,610.41	5,553.47	56.94	98.531		
13,700.00	7,875.00	7,437.23	7,333.87	168.68	32.70	-54.69	-228.25	-1,015.11	5,709.01	5,652.02	56.99	100.172		
13,800.00	7,875.00	7,436.20	7,332.84	171.34	32.70	-54.64	-228.24	-1,015.21	5,807.65	5,750.61	57.04	101.808		
13,900.00	7,875.00	7,397.00	7,293.73	174.00	32.62	-52.74	-227.84	-1,017.79	5,907.49	5,850.56	56.93	103.771		
14,000.00	7,875.00	7,397.00	7,293.73	176.66	32.62	-52.74	-227.84	-1,017.79	6,006.16	5,949.17	56.99	105.391		
14,100.00	7,875.00	7,397.00	7,293.73	179.33	32.62	-52.74	-227.84	-1,017.79	6,104.87	6,047.82	57.05	107.008		
14,200.00	7,875.00	7,397.00	7,293.73	181.99	32.62	-52.74	-227.84	-1,017.79	6,203.63	6,146.52	57.11	108.620		
14,300.00	7,875.00	7,397.00	7,293.73	184.66	32.62	-52.74	-227.84	-1,017.79	6,302.42	6,245.25	57.18	110.228		
14,400.00	7,875.00	7,397.00	7,293.73	187.32	32.62	-52.74	-227.84	-1,017.79	6,401.25	6,344.01	57.24	111.831		
14,500.00	7,875.00	7,397.00	7,293.73	189.99	32.62	-52.74	-227.84	-1,017.79	6,500.12	6,442.82	57.31	113.430		
14,600.00	7,875.00	7,397.00	7,293.73	192.66	32.62	-52.74	-227.84	-1,017.79	6,599.02	6,541.65	57.37	115.024		
14,700.00	7,875.00	7,397.00	7,293.73	195.32	32.62	-52.74	-227.84	-1,017.79	6,697.96	6,640.52	57.44	116.613		
14,800.00	7,875.00	7,397.00	7,293.73	197.99	32.62	-52.74	-227.84	-1,017.79	6,796.92	6,739.42	57.50	118.198		
14,900.00	7,875.00	7,397.00	7,293.73	200.66	32.62	-52.74	-227.84	-1,017.79	6,895.92	6,838.34	57.57	119.777		
15,000.00	7,875.00	7,397.00	7,293.73	203.33	32.62	-52.74	-227.84	-1,017.79	6,994.94	6,937.30	57.64	121.352		
15,100.00	7,875.00	7,397.00	7,293.73	206.00	32.62	-52.74	-227.84	-1,017.79	7,093.99	7,036.28	57.71	122.922		
15,200.00	7,875.00	7,397.00	7,293.73	208.67	32.62	-52.74	-227.84	-1,017.79	7,193.07	7,135.28	57.78	124.486		
15,300.00	7,875.00	7,397.00	7,293.73	211.34	32.62	-52.74	-227.84	-1,017.79	7,292.17	7,234.32	57.85	126.046		
15,400.00	7,875.00	7,397.00	7,293.73	214.01	32.62	-52.74	-227.84	-1,017.79	7,391.29	7,333.37	57.93	127.601		
15,500.00	7,875.00	7,397.00	7,293.73	216.69	32.62	-52.74	-227.84	-1,017.79	7,490.44	7,432.45	58.00	129.150		
15,600.00	7,875.00	7,397.00	7,293.73	219.36	32.62	-52.74	-227.84	-1,017.79	7,589.62	7,531.54	58.07	130.694		
15,700.00	7,875.00	7,397.00	7,293.73	222.03	32.62	-52.74	-227.84	-1,017.79	7,688.81	7,630.66	58.15	132.233		
15,800.00	7,875.00	7,397.00	7,293.73	224.71	32.62	-52.74	-227.84	-1,017.79	7,788.02	7,729.80	58.22	133.767		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXISTING HZ SUNSET 4-65 21-22 1BH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 24-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
15,900.00	7,875.00	7,397.00	7,293.73	227.38	32.62	-52.74	-227.84	-1,017.79	7,887.26	7,828.96	58.30	135.295		
16,000.00	7,875.00	7,397.00	7,293.73	230.05	32.62	-52.74	-227.84	-1,017.79	7,986.51	7,928.14	58.37	136.819		
16,100.00	7,875.00	7,397.00	7,293.73	232.73	32.62	-52.74	-227.84	-1,017.79	8,085.78	8,027.33	58.45	138.336		
16,200.00	7,875.00	7,397.00	7,293.73	235.40	32.62	-52.74	-227.84	-1,017.79	8,185.07	8,126.54	58.53	139.848		
16,300.00	7,875.00	7,397.00	7,293.73	238.08	32.62	-52.74	-227.84	-1,017.79	8,284.38	8,225.77	58.61	141.355		
16,400.00	7,875.00	7,397.00	7,293.73	240.76	32.62	-52.74	-227.84	-1,017.79	8,383.70	8,325.01	58.69	142.857		
16,500.00	7,875.00	7,397.00	7,293.73	243.43	32.62	-52.74	-227.84	-1,017.79	8,483.04	8,424.27	58.77	144.353		
16,600.00	7,875.00	7,397.00	7,293.73	246.11	32.62	-52.74	-227.84	-1,017.79	8,582.39	8,523.55	58.85	145.843		
16,700.00	7,875.00	7,397.00	7,293.73	248.78	32.62	-52.74	-227.84	-1,017.79	8,681.76	8,622.83	58.93	147.328		
16,800.00	7,875.00	7,397.00	7,293.73	251.46	32.62	-52.74	-227.84	-1,017.79	8,781.14	8,722.13	59.01	148.807		
16,900.00	7,875.00	7,397.00	7,293.73	254.14	32.62	-52.74	-227.84	-1,017.79	8,880.54	8,821.45	59.09	150.281		
17,000.00	7,875.00	7,397.00	7,293.73	256.82	32.62	-52.74	-227.84	-1,017.79	8,979.95	8,920.78	59.18	151.749		
17,100.00	7,875.00	7,397.00	7,293.73	259.50	32.62	-52.74	-227.84	-1,017.79	9,079.38	9,020.11	59.26	153.211		
17,200.00	7,875.00	7,397.00	7,293.73	262.17	32.62	-52.74	-227.84	-1,017.79	9,178.81	9,119.47	59.35	154.668		
17,300.00	7,875.00	7,397.00	7,293.73	264.85	32.62	-52.74	-227.84	-1,017.79	9,278.26	9,218.83	59.43	156.119		
17,400.00	7,875.00	7,397.00	7,293.73	267.53	32.62	-52.74	-227.84	-1,017.79	9,377.72	9,318.20	59.52	157.565		
17,500.00	7,875.00	7,397.00	7,293.73	270.21	32.62	-52.74	-227.84	-1,017.79	9,477.19	9,417.59	59.60	159.005		
17,600.00	7,875.00	7,397.00	7,293.73	272.89	32.62	-52.74	-227.84	-1,017.79	9,576.67	9,516.98	59.69	160.439		
17,700.00	7,875.00	7,397.00	7,293.73	275.57	32.62	-52.74	-227.84	-1,017.79	9,676.16	9,616.39	59.78	161.867		
17,800.00	7,875.00	7,397.00	7,293.73	278.25	32.62	-52.74	-227.84	-1,017.79	9,775.67	9,715.80	59.87	163.290		
17,900.00	7,875.00	7,397.00	7,293.73	280.93	32.62	-52.74	-227.84	-1,017.79	9,875.18	9,815.22	59.96	164.707		
18,000.00	7,875.00	7,397.00	7,293.73	283.61	32.62	-52.74	-227.84	-1,017.79	9,974.70	9,914.66	60.05	166.118		

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXISTING HZ SUNSET 4-65 21-22 2BH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 24-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	5.50	5.50	0.00	0.00	141.58	-136.96	108.62	174.81					
29.48	29.48	34.28	34.28	0.02	0.04	-45.59	-136.99	108.64	174.77	174.72	0.05	3,664.070		
52.69	52.69	57.76	57.76	0.09	0.12	-40.25	-137.08	108.65	174.75	174.54	0.22	812.569 CC		
60.08	60.08	65.03	65.03	0.12	0.15	-33.72	-137.11	108.65	174.76	174.49	0.27	656.244		
121.28	121.28	126.34	126.34	0.33	0.37	137.20	-137.64	108.46	175.30	174.60	0.70	251.233		
151.88	151.88	156.90	156.89	0.44	0.48	51.57	-137.88	108.26	175.37	174.46	0.91	192.133		
169.21	169.20	173.91	173.91	0.50	0.54	43.60	-138.02	108.18	175.31	174.28	1.03	169.468		
182.48	182.47	187.05	187.05	0.55	0.58	-65.35	-138.16	108.12	175.35	174.22	1.13	155.428		
213.08	213.07	217.85	217.84	0.65	0.69	-53.63	-138.51	107.90	175.43	174.09	1.35	130.308		
243.68	243.67	248.69	248.68	0.76	0.80	-98.51	-138.86	107.62	175.50	173.93	1.56	112.167		
286.38	286.37	290.80	290.78	0.91	0.96	-56.32	-139.50	107.09	175.60	173.74	1.87	94.060		
329.08	329.07	332.77	332.72	1.06	1.11	-66.70	-140.58	106.27	175.75	173.58	2.17	80.970 ES		
371.78	371.77	375.50	375.41	1.22	1.26	-89.55	-142.04	105.08	176.09	173.61	2.48	71.068		
414.48	414.46	417.63	417.48	1.36	1.42	161.85	-143.82	103.55	176.94	174.16	2.78	63.624		
457.18	457.15	460.04	459.80	1.51	1.57	147.05	-145.94	101.68	178.58	175.49	3.08	57.888		
499.88	499.81	502.10	501.71	1.66	1.73	139.14	-148.41	99.39	180.82	177.43	3.39	53.338		
542.58	542.45	543.16	542.59	1.81	1.89	140.02	-151.34	96.69	183.61	179.92	3.69	49.694		
585.28	585.08	584.81	583.97	1.96	2.05	143.04	-154.79	93.53	186.90	182.90	4.00	46.678		
627.98	627.70	627.05	625.89	2.11	2.22	145.95	-158.56	89.93	190.47	186.15	4.32	44.114		
670.68	670.32	668.03	666.49	2.26	2.38	149.17	-162.52	86.04	194.61	189.98	4.63	42.026		
713.38	712.90	709.06	707.05	2.41	2.55	156.03	-166.91	81.68	199.64	194.70	4.95	40.350		
756.08	755.45	749.78	747.21	2.57	2.73	156.65	-171.63	76.89	205.57	200.30	5.27	39.035		
798.78	797.96	791.49	788.26	2.73	2.91	162.42	-176.72	71.52	212.30	206.71	5.59	37.974		
841.48	840.50	831.74	827.78	2.88	3.09	171.28	-181.83	65.84	219.06	213.16	5.91	37.094		
884.18	883.12	871.38	866.56	3.04	3.27	175.46	-187.30	59.75	225.59	219.37	6.22	36.293		
926.88	925.77	912.22	906.39	3.19	3.46	178.05	-193.31	53.06	232.01	225.48	6.53	35.505		
969.58	968.44	951.63	944.75	3.34	3.66	176.82	-199.29	46.25	238.33	231.49	6.85	34.809		
1,012.28	1,011.13	992.13	984.03	3.50	3.86	177.84	-205.90	38.90	244.83	237.66	7.17	34.164		
1,054.98	1,053.83	1,032.72	1,023.34	3.65	4.07	-169.68	-212.50	31.28	251.12	243.64	7.48	33.550		
1,097.68	1,096.53	1,072.46	1,061.80	3.80	4.27	-86.06	-219.26	23.86	257.73	249.93	7.80	33.058		
1,140.38	1,139.23	1,114.63	1,102.65	3.94	4.49	-33.29	-226.49	16.32	264.35	256.23	8.12	32.556		
1,183.08	1,181.92	1,156.49	1,143.22	4.09	4.71	-48.50	-233.44	8.67	270.87	262.42	8.44	32.091		
1,225.78	1,224.62	1,196.92	1,182.27	4.23	4.93	-58.16	-240.35	0.81	277.87	269.12	8.75	31.748		
1,268.48	1,267.32	1,239.63	1,223.52	4.38	5.16	-21.72	-247.50	-7.66	284.79	275.71	9.08	31.367		
1,311.18	1,310.01	1,281.20	1,263.72	4.53	5.39	-19.42	-254.44	-15.59	291.64	282.25	9.39	31.046		
1,353.88	1,352.71	1,323.24	1,304.53	4.67	5.61	-21.04	-261.41	-22.93	298.51	288.80	9.71	30.740		
1,396.58	1,395.40	1,363.95	1,344.07	4.82	5.82	-21.66	-268.27	-29.77	305.55	295.54	10.02	30.509		
1,439.28	1,438.09	1,406.92	1,385.85	4.96	6.05	-16.61	-275.56	-36.70	312.67	302.33	10.34	30.253		
1,481.98	1,480.78	1,451.89	1,429.70	5.11	6.28	-19.48	-282.79	-43.56	319.38	308.71	10.67	29.937		
1,524.68	1,523.46	1,492.90	1,469.74	5.26	6.49	-19.96	-289.34	-49.54	325.94	314.97	10.97	29.709		
1,567.38	1,566.14	1,534.03	1,509.84	5.41	6.70	-19.00	-296.05	-55.73	332.66	321.39	11.27	29.507		
1,610.08	1,608.83	1,577.67	1,552.43	5.56	6.93	-5.88	-303.00	-62.22	339.43	327.83	11.60	29.271		
1,652.78	1,651.52	1,617.85	1,591.66	5.70	7.13	19.37	-309.54	-67.96	346.74	334.85	11.89	29.160		
1,695.48	1,694.22	1,661.60	1,634.40	5.85	7.35	25.55	-316.57	-74.12	354.23	342.02	12.21	29.011		
1,738.18	1,736.92	1,703.58	1,675.42	6.00	7.57	39.57	-323.29	-79.97	361.70	349.19	12.51	28.902		
1,780.88	1,779.61	1,747.81	1,718.66	6.15	7.79	36.83	-329.96	-86.46	368.95	356.12	12.84	28.745		
1,823.58	1,822.31	1,785.30	1,755.26	6.30	7.98	30.00	-335.79	-92.08	376.47	363.36	13.11	28.722		
1,866.28	1,865.00	1,825.57	1,794.55	6.45	8.19	26.37	-342.37	-98.03	384.20	370.80	13.40	28.673		
1,908.98	1,907.69	1,867.72	1,835.63	6.59	8.41	30.19	-349.24	-104.50	391.96	378.25	13.71	28.597		
1,951.68	1,950.39	1,906.24	1,873.11	6.74	8.61	31.95	-355.55	-110.77	399.89	385.91	13.99	28.593		
1,994.38	1,993.08	1,946.16	1,911.89	6.89	8.83	32.28	-362.29	-117.43	408.09	393.81	14.28	28.586		
2,037.08	2,035.77	1,985.22	1,949.79	7.04	9.04	30.89	-369.06	-123.99	416.51	401.95	14.56	28.607		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXISTING HZ SUNSET 4-65 21-22 2BH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 24-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
2,079.78	2,078.46	2,025.59	1,988.91	7.19	9.26	38.09	-376.20	-130.93	425.23	410.37	14.85	28.627		
2,122.48	2,121.15	2,063.66	2,025.77	7.34	9.47	34.76	-383.07	-137.54	434.23	419.10	15.13	28.700		
2,165.18	2,163.84	2,107.28	2,067.97	7.49	9.71	33.92	-391.23	-145.00	443.55	428.09	15.45	28.703		
2,200.00	2,198.65	2,143.21	2,102.81	7.55	9.91	34.43	-397.65	-150.99	450.86	435.20	15.66	28.799		
2,220.18	2,218.83	2,162.68	2,121.69	7.55	10.02	34.69	-401.15	-154.16	455.10	439.37	15.73	28.932		
2,300.00	2,298.64	2,242.35	2,199.06	7.56	10.45	-69.13	-415.38	-166.77	472.12	456.06	16.06	29.402		
2,400.00	2,398.59	2,340.26	2,294.12	7.59	10.98	-95.73	-432.40	-182.90	494.35	477.87	16.48	29.999		
2,500.00	2,498.36	2,438.47	2,389.40	7.64	11.52	-100.16	-448.93	-200.04	517.56	500.63	16.93	30.571		
2,600.00	2,597.86	2,535.25	2,483.33	7.71	12.05	-101.87	-465.00	-216.90	541.58	524.18	17.41	31.115		
2,700.00	2,696.94	2,631.12	2,576.30	7.79	12.57	-102.89	-481.22	-233.82	566.98	549.07	17.91	31.653		
2,730.19	2,726.76	2,661.21	2,605.48	7.83	12.74	-103.17	-486.25	-239.13	574.80	556.72	18.08	31.789		
2,800.00	2,795.64	2,727.16	2,669.45	7.91	13.10	-103.55	-497.26	-250.79	592.97	574.52	18.46	32.129		
2,900.00	2,894.31	2,826.33	2,765.62	8.05	13.65	-104.10	-513.97	-268.33	619.20	600.16	19.04	32.515		
3,000.00	2,992.99	2,921.75	2,858.27	8.22	14.17	-104.59	-529.60	-284.97	644.97	625.34	19.63	32.863		
3,100.00	3,091.66	3,018.86	2,952.52	8.40	14.70	-105.06	-545.85	-301.81	671.05	650.81	20.24	33.155		
3,200.00	3,190.34	3,108.71	3,039.75	8.61	15.19	-105.54	-561.34	-316.78	697.41	676.59	20.82	33.494		
3,300.00	3,289.01	3,209.20	3,137.20	8.83	15.75	-106.01	-578.97	-333.78	724.20	702.70	21.50	33.690		
3,400.00	3,387.69	3,310.51	3,235.62	9.07	16.30	-106.46	-596.02	-350.72	750.28	728.10	22.19	33.814		
3,500.00	3,486.36	3,404.55	3,327.05	9.33	16.80	-106.87	-611.86	-366.05	776.29	753.44	22.85	33.979		
3,600.00	3,585.03	3,501.10	3,420.93	9.60	17.32	-107.32	-628.52	-381.18	802.51	778.98	23.53	34.101		
3,700.00	3,683.71	3,603.12	3,520.26	9.88	17.87	-107.77	-645.67	-396.93	828.28	804.01	24.27	34.132		
3,800.00	3,782.38	3,696.96	3,611.65	10.18	18.37	-108.13	-661.08	-411.65	853.81	828.85	24.96	34.208		
3,900.00	3,881.06	3,812.58	3,724.09	10.48	18.99	-108.46	-679.60	-431.14	879.49	853.69	25.80	34.085		
4,000.00	3,979.73	3,900.57	3,809.81	10.80	19.45	-108.60	-691.71	-446.88	903.27	876.79	26.48	34.112		
4,100.00	4,078.41	3,990.68	3,897.55	11.13	19.93	-108.87	-706.14	-461.42	928.60	901.42	27.18	34.166		
4,200.00	4,177.08	4,084.28	3,988.67	11.46	20.43	-109.14	-721.40	-476.47	954.22	926.31	27.91	34.193		
4,300.00	4,275.76	4,179.29	4,081.07	11.80	20.94	-109.39	-737.07	-492.03	980.13	951.47	28.65	34.208		
4,400.00	4,374.43	4,270.19	4,169.43	12.15	21.44	-109.62	-752.33	-507.00	1,006.35	976.97	29.38	34.256		
4,500.00	4,473.10	4,370.05	4,266.49	12.51	21.98	-109.87	-769.36	-523.15	1,032.77	1,002.60	30.17	34.234		
4,600.00	4,571.78	4,465.98	4,359.78	12.87	22.49	-110.11	-785.48	-538.63	1,058.95	1,028.01	30.94	34.229		
4,700.00	4,670.45	4,547.46	4,439.06	13.23	22.93	-110.39	-800.24	-550.25	1,085.89	1,054.29	31.61	34.355		
4,800.00	4,769.13	4,661.70	4,550.20	13.60	23.54	-110.74	-820.46	-567.13	1,112.60	1,080.09	32.51	34.224		
4,900.00	4,867.80	4,763.77	4,649.51	13.98	24.09	-110.92	-837.11	-583.90	1,138.44	1,105.10	33.33	34.152		
5,000.00	4,966.48	4,858.49	4,741.67	14.36	24.60	-111.07	-852.12	-599.83	1,163.95	1,129.84	34.12	34.118		
5,100.00	5,065.15	4,950.38	4,830.96	14.75	25.09	-111.20	-867.19	-615.36	1,190.02	1,155.14	34.88	34.117		
5,200.00	5,163.82	5,049.68	4,927.61	15.13	25.63	-111.40	-883.78	-631.02	1,216.10	1,180.40	35.70	34.065		
5,300.00	5,262.50	5,145.50	5,020.87	15.52	26.14	-111.56	-899.52	-646.44	1,242.01	1,205.51	36.50	34.031		
5,400.00	5,361.17	5,226.28	5,099.36	15.92	26.58	-111.68	-913.16	-659.74	1,268.49	1,231.29	37.19	34.104		
5,500.00	5,459.85	5,312.57	5,182.93	16.32	27.06	-111.80	-928.78	-674.51	1,296.24	1,258.30	37.93	34.172		
5,600.00	5,558.52	5,405.57	5,272.92	16.71	27.59	-111.91	-945.81	-690.63	1,324.27	1,285.54	38.72	34.197		
5,700.00	5,657.20	5,496.47	5,360.81	17.12	28.10	-112.00	-962.69	-706.63	1,352.60	1,313.10	39.50	34.240		
5,800.00	5,755.87	5,599.35	5,460.22	17.52	28.69	-112.10	-981.83	-724.89	1,381.03	1,340.66	40.38	34.205		
5,900.00	5,854.54	5,690.53	5,548.42	17.93	29.20	-112.19	-998.54	-740.85	1,409.14	1,367.98	41.16	34.235		
6,000.00	5,953.22	5,793.14	5,647.73	18.34	29.78	-112.31	-1,017.61	-758.27	1,437.37	1,395.33	42.03	34.197		
6,100.00	6,051.89	5,886.00	5,737.62	18.75	30.30	-112.40	-1,034.64	-774.21	1,465.40	1,422.57	42.83	34.213		
6,200.00	6,150.57	6,006.73	5,854.76	19.16	30.97	-112.53	-1,055.73	-794.40	1,492.44	1,448.61	43.83	34.048		
6,300.00	6,249.24	6,104.47	5,949.77	19.57	31.50	-112.65	-1,072.34	-810.23	1,518.98	1,474.32	44.67	34.006		
6,400.00	6,347.92	6,205.11	6,047.63	19.99	32.04	-112.77	-1,089.20	-826.60	1,545.30	1,499.78	45.52	33.945		
6,500.00	6,446.59	6,306.43	6,146.21	20.41	32.59	-112.88	-1,105.91	-842.97	1,571.36	1,524.98	46.38	33.877		
6,600.00	6,545.26	6,390.48	6,227.95	20.82	33.04	-112.96	-1,119.81	-856.73	1,597.53	1,550.40	47.13	33.897		
6,700.00	6,643.94	6,494.13	6,328.64	21.24	33.61	-113.06	-1,137.50	-873.83	1,624.23	1,576.22	48.01	33.830		
6,800.00	6,742.61	6,593.70	6,425.52	21.66	34.14	-113.16	-1,153.95	-889.86	1,650.32	1,601.46	48.86	33.773		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXISTING HZ SUNSET 4-65 21-22 2BH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 24-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
6,900.00	6,841.29	6,681.88	6,511.31	22.09	34.62	-113.26	-1,168.75	-903.87	1,676.61	1,626.97	49.64	33.776		
7,000.00	6,939.96	6,804.30	6,630.62	22.51	35.26	-113.39	-1,188.54	-922.88	1,702.20	1,651.55	50.65	33.609		
7,100.00	7,038.64	6,898.66	6,722.71	22.93	35.75	-113.51	-1,203.44	-937.02	1,727.35	1,675.89	51.46	33.566		
7,200.00	7,137.31	6,985.18	6,807.14	23.36	36.21	-113.62	-1,217.26	-949.94	1,752.70	1,700.47	52.23	33.560		
7,300.00	7,235.99	7,067.09	6,886.85	23.78	36.64	-113.71	-1,231.12	-962.72	1,779.04	1,726.09	52.96	33.593		
7,400.00	7,334.66	7,168.26	6,985.32	24.21	37.19	-113.81	-1,248.17	-978.53	1,805.37	1,751.54	53.83	33.539		
7,444.84	7,378.91	7,208.54	7,024.51	24.40	37.40	-113.85	-1,254.98	-984.85	1,817.21	1,763.03	54.18	33.539		
7,450.00	7,383.99	7,213.18	7,029.01	24.42	37.43	-111.90	-1,255.76	-985.59	1,818.57	1,764.35	54.22	33.538		
7,500.00	7,432.91	7,267.79	7,082.16	24.66	37.72	-99.12	-1,264.98	-994.17	1,831.15	1,776.44	54.72	33.466		
7,550.00	7,480.84	7,323.93	7,136.84	24.93	38.02	-92.32	-1,274.23	-1,002.85	1,842.49	1,787.21	55.27	33.333		
7,600.00	7,527.44	7,351.99	7,164.25	25.23	38.15	-88.01	-1,279.21	-1,006.30	1,852.98	1,797.30	55.68	33.281		
7,650.00	7,572.35	7,384.05	7,195.57	25.57	38.32	-85.14	-1,285.23	-1,009.43	1,862.74	1,806.58	56.17	33.165		
7,700.00	7,615.21	7,455.51	7,265.56	25.94	38.63	-83.84	-1,299.23	-1,012.54	1,871.58	1,814.62	56.96	32.859		
7,750.00	7,655.72	7,715.23	7,517.40	26.35	39.25	-87.88	-1,340.04	-971.78	1,878.37	1,819.87	58.50	32.108		
7,800.00	7,693.55	7,742.02	7,542.37	26.80	39.28	-87.39	-1,342.97	-962.53	1,881.85	1,822.73	59.12	31.831		
7,850.00	7,728.43	7,761.46	7,560.26	27.29	39.30	-86.90	-1,345.11	-955.25	1,885.58	1,825.82	59.76	31.551		
7,900.00	7,760.08	7,755.00	7,554.34	27.82	39.29	-85.78	-1,344.40	-957.72	1,889.79	1,829.42	60.37	31.305		
7,950.00	7,788.27	7,755.00	7,554.34	28.40	39.29	-84.92	-1,344.40	-957.72	1,894.45	1,833.42	61.03	31.044		
8,000.00	7,812.78	7,773.22	7,571.00	29.02	39.30	-84.65	-1,346.48	-950.65	1,899.36	1,837.57	61.78	30.742		
8,050.00	7,833.42	7,773.45	7,571.20	29.69	39.30	-83.88	-1,346.51	-950.56	1,904.82	1,842.30	62.52	30.467		
8,100.00	7,850.04	7,755.00	7,554.34	30.41	39.29	-82.57	-1,344.40	-957.72	1,910.81	1,847.59	63.22	30.227		
8,150.00	7,862.51	7,755.00	7,554.34	31.16	39.29	-81.84	-1,344.40	-957.72	1,916.91	1,852.90	64.01	29.945		
8,200.00	7,870.73	7,755.00	7,554.34	31.94	39.29	-81.13	-1,344.40	-957.72	1,923.25	1,858.41	64.84	29.662		
8,250.00	7,874.65	7,755.00	7,554.34	32.75	39.29	-80.46	-1,344.40	-957.72	1,929.79	1,864.11	65.68	29.381		
8,270.17	7,875.00	7,755.00	7,554.34	33.09	39.29	-80.19	-1,344.40	-957.72	1,932.47	1,866.44	66.03	29.269		
8,300.00	7,875.00	7,744.10	7,544.29	33.59	39.28	-79.89	-1,343.20	-961.78	1,936.62	1,870.14	66.48	29.130		
8,400.00	7,875.00	7,722.73	7,524.42	35.34	39.26	-79.30	-1,340.86	-969.28	1,953.56	1,885.46	68.10	28.686		
8,500.00	7,875.00	7,704.36	7,507.17	37.22	39.24	-78.78	-1,338.86	-975.27	1,975.09	1,905.37	69.72	28.329		
8,600.00	7,875.00	7,688.42	7,492.08	39.18	39.23	-78.33	-1,337.13	-980.10	2,001.12	1,929.80	71.32	28.060		
8,700.00	7,875.00	8,700.00	7,462.63	41.23	41.33	-77.44	-1,333.50	-988.01	2,031.54	1,957.26	74.29	27.348 SF		
8,800.00	7,875.00	7,650.53	7,455.82	43.36	39.18	-77.24	-1,332.95	-990.24	2,066.13	1,991.87	74.25	27.825		
8,900.00	7,875.00	7,615.51	7,421.97	45.54	39.11	-76.23	-1,328.20	-997.86	2,104.53	2,029.07	75.46	27.891		
9,000.00	7,875.00	7,592.31	7,399.44	47.77	39.06	-75.55	-1,324.50	-1,001.96	2,146.64	2,070.00	76.64	28.010		
9,100.00	7,875.00	7,577.00	7,384.55	50.06	39.03	-75.11	-1,321.80	-1,004.25	2,192.36	2,114.58	77.78	28.187		
9,200.00	7,875.00	7,577.00	7,384.55	52.38	39.03	-75.11	-1,321.80	-1,004.25	2,241.57	2,162.61	78.96	28.390		
9,300.00	7,875.00	7,577.00	7,384.55	54.73	39.03	-75.11	-1,321.80	-1,004.25	2,294.09	2,214.05	80.04	28.663		
9,400.00	7,875.00	7,577.00	7,384.55	57.12	39.03	-75.11	-1,321.80	-1,004.25	2,349.69	2,268.67	81.02	29.001		
9,500.00	7,875.00	7,577.00	7,384.55	59.53	39.03	-75.11	-1,321.80	-1,004.25	2,408.16	2,326.24	81.91	29.399		
9,600.00	7,875.00	7,551.25	7,359.44	61.96	38.95	-74.35	-1,317.09	-1,007.43	2,468.93	2,386.47	82.46	29.941		
9,700.00	7,875.00	7,547.43	7,355.70	64.42	38.94	-74.24	-1,316.39	-1,007.84	2,532.41	2,449.26	83.15	30.456		
9,800.00	7,875.00	7,543.91	7,352.26	66.89	38.93	-74.13	-1,315.74	-1,008.20	2,598.18	2,514.41	83.77	31.016		
9,900.00	7,875.00	7,540.66	7,349.08	69.38	38.92	-74.04	-1,315.14	-1,008.52	2,666.07	2,581.75	84.32	31.617		
10,000.00	7,875.00	7,537.63	7,346.12	71.89	38.91	-73.95	-1,314.59	-1,008.81	2,735.92	2,651.10	84.82	32.255		
10,100.00	7,875.00	7,534.82	7,343.37	74.41	38.90	-73.87	-1,314.07	-1,009.07	2,807.58	2,722.31	85.26	32.928		
10,200.00	7,875.00	7,532.20	7,340.80	76.94	38.90	-73.79	-1,313.58	-1,009.30	2,880.92	2,795.26	85.66	33.632		
10,300.00	7,875.00	7,529.75	7,338.41	79.48	38.89	-73.72	-1,313.13	-1,009.51	2,955.82	2,869.81	86.01	34.366		
10,400.00	7,875.00	7,527.46	7,336.16	82.03	38.88	-73.65	-1,312.71	-1,009.70	3,032.16	2,945.84	86.32	35.126		
10,500.00	7,875.00	7,525.30	7,334.05	84.59	38.87	-73.59	-1,312.31	-1,009.87	3,109.84	3,023.23	86.60	35.910		
10,600.00	7,875.00	7,523.28	7,332.07	87.16	38.87	-73.53	-1,311.93	-1,010.03	3,188.75	3,101.90	86.85	36.717		
10,700.00	7,875.00	7,521.37	7,330.20	89.73	38.86	-73.47	-1,311.58	-1,010.17	3,268.82	3,181.75	87.07	37.545		
10,800.00	7,875.00	7,519.57	7,328.43	92.31	38.86	-73.42	-1,311.25	-1,010.30	3,349.95	3,262.69	87.26	38.391		
10,900.00	7,875.00	7,487.00	7,296.48	94.90	38.76	-72.46	-1,305.18	-1,012.04	3,432.66	3,345.57	87.10	39.413		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXISTING HZ SUNSET 4-65 21-22 2BH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 24-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
11,000.00	7,875.00	7,487.00	7,296.48	97.49	38.76	-72.46	-1,305.18	-1,012.04	3,515.65	3,428.39	87.27	40.287		
11,100.00	7,875.00	7,487.00	7,296.48	100.09	38.76	-72.46	-1,305.18	-1,012.04	3,599.51	3,512.09	87.42	41.177		
11,200.00	7,875.00	7,487.00	7,296.48	102.69	38.76	-72.46	-1,305.18	-1,012.04	3,684.17	3,596.61	87.55	42.080		
11,300.00	7,875.00	7,487.00	7,296.48	105.30	38.76	-72.46	-1,305.18	-1,012.04	3,769.58	3,681.91	87.67	42.997		
11,400.00	7,875.00	7,487.00	7,296.48	107.91	38.76	-72.46	-1,305.18	-1,012.04	3,855.69	3,767.91	87.78	43.926		
11,500.00	7,875.00	7,487.00	7,296.48	110.53	38.76	-72.46	-1,305.18	-1,012.04	3,942.46	3,854.59	87.87	44.867		
11,600.00	7,875.00	7,487.00	7,296.48	113.15	38.76	-72.46	-1,305.18	-1,012.04	4,029.84	3,941.89	87.95	45.817		
11,700.00	7,875.00	7,487.00	7,296.48	115.77	38.76	-72.46	-1,305.18	-1,012.04	4,117.80	4,029.77	88.03	46.777		
11,800.00	7,875.00	7,487.00	7,296.48	118.40	38.76	-72.46	-1,305.18	-1,012.04	4,206.29	4,118.20	88.10	47.747		
11,900.00	7,875.00	7,487.00	7,296.48	121.03	38.76	-72.46	-1,305.18	-1,012.04	4,295.29	4,207.14	88.16	48.724		
12,000.00	7,875.00	7,487.00	7,296.48	123.66	38.76	-72.46	-1,305.18	-1,012.04	4,384.77	4,296.56	88.21	49.710		
12,100.00	7,875.00	7,487.00	7,296.48	126.29	38.76	-72.46	-1,305.18	-1,012.04	4,474.69	4,386.43	88.25	50.702		
12,200.00	7,875.00	7,487.00	7,296.48	128.93	38.76	-72.46	-1,305.18	-1,012.04	4,565.02	4,476.73	88.30	51.701		
12,300.00	7,875.00	7,487.00	7,296.48	131.57	38.76	-72.46	-1,305.18	-1,012.04	4,655.76	4,567.42	88.33	52.706		
12,400.00	7,875.00	7,487.00	7,296.48	134.21	38.76	-72.46	-1,305.18	-1,012.04	4,746.86	4,658.50	88.37	53.717		
12,500.00	7,875.00	7,487.00	7,296.48	136.85	38.76	-72.46	-1,305.18	-1,012.04	4,838.32	4,749.92	88.40	54.734		
12,600.00	7,875.00	7,487.00	7,296.48	139.49	38.76	-72.46	-1,305.18	-1,012.04	4,930.11	4,841.69	88.42	55.755		
12,700.00	7,875.00	7,487.00	7,296.48	142.14	38.76	-72.46	-1,305.18	-1,012.04	5,022.21	4,933.77	88.45	56.781		
12,800.00	7,875.00	7,487.00	7,296.48	144.79	38.76	-72.46	-1,305.18	-1,012.04	5,114.61	5,026.14	88.47	57.811		
12,900.00	7,875.00	7,487.00	7,296.48	147.44	38.76	-72.46	-1,305.18	-1,012.04	5,207.29	5,118.80	88.49	58.845		
13,000.00	7,875.00	7,487.00	7,296.48	150.09	38.76	-72.46	-1,305.18	-1,012.04	5,300.24	5,211.73	88.51	59.883		
13,100.00	7,875.00	7,487.00	7,296.48	152.74	38.76	-72.46	-1,305.18	-1,012.04	5,393.44	5,304.91	88.53	60.925		
13,200.00	7,875.00	7,487.00	7,296.48	155.39	38.76	-72.46	-1,305.18	-1,012.04	5,486.88	5,398.34	88.54	61.969		
13,300.00	7,875.00	7,487.00	7,296.48	158.05	38.76	-72.46	-1,305.18	-1,012.04	5,580.54	5,491.99	88.56	63.016		
13,400.00	7,875.00	7,487.00	7,296.48	160.70	38.76	-72.46	-1,305.18	-1,012.04	5,674.42	5,585.85	88.57	64.067		
13,500.00	7,875.00	7,487.00	7,296.48	163.36	38.76	-72.46	-1,305.18	-1,012.04	5,768.51	5,679.93	88.58	65.119		
13,600.00	7,875.00	7,487.00	7,296.48	166.02	38.76	-72.46	-1,305.18	-1,012.04	5,862.80	5,774.20	88.60	66.174		
13,700.00	7,875.00	7,487.00	7,296.48	168.68	38.76	-72.46	-1,305.18	-1,012.04	5,957.27	5,868.66	88.61	67.231		
13,800.00	7,875.00	7,487.00	7,296.48	171.34	38.76	-72.46	-1,305.18	-1,012.04	6,051.91	5,963.29	88.62	68.290		
13,900.00	7,875.00	7,487.00	7,296.48	174.00	38.76	-72.46	-1,305.18	-1,012.04	6,146.73	6,058.10	88.63	69.350		
14,000.00	7,875.00	7,487.00	7,296.48	176.66	38.76	-72.46	-1,305.18	-1,012.04	6,241.71	6,153.06	88.64	70.413		
14,100.00	7,875.00	7,487.00	7,296.48	179.33	38.76	-72.46	-1,305.18	-1,012.04	6,336.84	6,248.18	88.66	71.476		
14,200.00	7,875.00	7,487.00	7,296.48	181.99	38.76	-72.46	-1,305.18	-1,012.04	6,432.12	6,343.45	88.67	72.541		
14,300.00	7,875.00	7,487.00	7,296.48	184.66	38.76	-72.46	-1,305.18	-1,012.04	6,527.54	6,438.86	88.68	73.607		
14,400.00	7,875.00	7,487.00	7,296.48	187.32	38.76	-72.46	-1,305.18	-1,012.04	6,623.10	6,534.41	88.69	74.674		
14,500.00	7,875.00	7,487.00	7,296.48	189.99	38.76	-72.46	-1,305.18	-1,012.04	6,718.79	6,630.08	88.71	75.743		
14,600.00	7,875.00	7,487.00	7,296.48	192.66	38.76	-72.46	-1,305.18	-1,012.04	6,814.60	6,725.88	88.72	76.811		
14,700.00	7,875.00	7,487.00	7,296.48	195.32	38.76	-72.46	-1,305.18	-1,012.04	6,910.53	6,821.80	88.73	77.881		
14,800.00	7,875.00	7,487.00	7,296.48	197.99	38.76	-72.46	-1,305.18	-1,012.04	7,006.57	6,917.82	88.75	78.951		
14,900.00	7,875.00	7,487.00	7,296.48	200.66	38.76	-72.46	-1,305.18	-1,012.04	7,102.72	7,013.96	88.76	80.022		
15,000.00	7,875.00	7,487.00	7,296.48	203.33	38.76	-72.46	-1,305.18	-1,012.04	7,198.98	7,110.20	88.77	81.093		
15,100.00	7,875.00	7,487.00	7,296.48	206.00	38.76	-72.46	-1,305.18	-1,012.04	7,295.34	7,206.55	88.79	82.164		
15,200.00	7,875.00	7,487.00	7,296.48	208.67	38.76	-72.46	-1,305.18	-1,012.04	7,391.79	7,302.99	88.81	83.236		
15,300.00	7,875.00	7,487.00	7,296.48	211.34	38.76	-72.46	-1,305.18	-1,012.04	7,488.34	7,399.52	88.82	84.307		
15,400.00	7,875.00	7,487.00	7,296.48	214.01	38.76	-72.46	-1,305.18	-1,012.04	7,584.97	7,496.14	88.84	85.379		
15,500.00	7,875.00	7,487.00	7,296.48	216.69	38.76	-72.46	-1,305.18	-1,012.04	7,681.70	7,592.84	88.86	86.451		
15,600.00	7,875.00	7,487.00	7,296.48	219.36	38.76	-72.46	-1,305.18	-1,012.04	7,778.50	7,689.63	88.87	87.522		
15,700.00	7,875.00	7,487.00	7,296.48	222.03	38.76	-72.46	-1,305.18	-1,012.04	7,875.39	7,786.50	88.89	88.593		
15,800.00	7,875.00	7,487.00	7,296.48	224.71	38.76	-72.46	-1,305.18	-1,012.04	7,972.35	7,883.44	88.91	89.665		
15,900.00	7,875.00	7,487.00	7,296.48	227.38	38.76	-72.46	-1,305.18	-1,012.04	8,069.39	7,980.46	88.93	90.735		
16,000.00	7,875.00	7,487.00	7,296.48	230.05	38.76	-72.46	-1,305.18	-1,012.04	8,166.50	8,077.54	88.95	91.806		
16,100.00	7,875.00	7,487.00	7,296.48	232.73	38.76	-72.46	-1,305.18	-1,012.04	8,263.67	8,174.70	88.98	92.876		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 24-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
16,200.00	7,875.00	7,487.00	7,296.48	235.40	38.76	-72.46	-1,305.18	-1,012.04	8,360.92	8,271.92	89.00	93.945		
16,300.00	7,875.00	7,487.00	7,296.48	238.08	38.76	-72.46	-1,305.18	-1,012.04	8,458.23	8,369.20	89.02	95.014		
16,400.00	7,875.00	7,487.00	7,296.48	240.76	38.76	-72.46	-1,305.18	-1,012.04	8,555.60	8,466.55	89.04	96.082		
16,500.00	7,875.00	7,487.00	7,296.48	243.43	38.76	-72.46	-1,305.18	-1,012.04	8,653.03	8,563.96	89.07	97.150		
16,600.00	7,875.00	7,487.00	7,296.48	246.11	38.76	-72.46	-1,305.18	-1,012.04	8,750.51	8,661.42	89.09	98.217		
16,700.00	7,875.00	7,487.00	7,296.48	248.78	38.76	-72.46	-1,305.18	-1,012.04	8,848.06	8,758.94	89.12	99.283		
16,800.00	7,875.00	7,487.00	7,296.48	251.46	38.76	-72.46	-1,305.18	-1,012.04	8,945.66	8,856.51	89.15	100.348		
16,900.00	7,875.00	7,487.00	7,296.48	254.14	38.76	-72.46	-1,305.18	-1,012.04	9,043.31	8,954.13	89.17	101.413		
17,000.00	7,875.00	7,487.00	7,296.48	256.82	38.76	-72.46	-1,305.18	-1,012.04	9,141.01	9,051.81	89.20	102.476		
17,100.00	7,875.00	7,487.00	7,296.48	259.50	38.76	-72.46	-1,305.18	-1,012.04	9,238.76	9,149.53	89.23	103.539		
17,200.00	7,875.00	7,487.00	7,296.48	262.17	38.76	-72.46	-1,305.18	-1,012.04	9,336.56	9,247.30	89.26	104.601		
17,300.00	7,875.00	7,487.00	7,296.48	264.85	38.76	-72.46	-1,305.18	-1,012.04	9,434.40	9,345.11	89.29	105.661		
17,400.00	7,875.00	7,487.00	7,296.48	267.53	38.76	-72.46	-1,305.18	-1,012.04	9,532.29	9,442.97	89.32	106.721		
17,500.00	7,875.00	7,487.00	7,296.48	270.21	38.76	-72.46	-1,305.18	-1,012.04	9,630.22	9,540.87	89.35	107.779		
17,600.00	7,875.00	7,487.00	7,296.48	272.89	38.76	-72.46	-1,305.18	-1,012.04	9,728.20	9,638.82	89.38	108.836		
17,700.00	7,875.00	7,487.00	7,296.48	275.57	38.76	-72.46	-1,305.18	-1,012.04	9,826.22	9,736.80	89.42	109.893		
17,800.00	7,875.00	7,487.00	7,296.48	278.25	38.76	-72.46	-1,305.18	-1,012.04	9,924.27	9,834.82	89.45	110.947		

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 1CH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG, 2122-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.80	0.80	0.00	0.00	141.55	-38.98	30.96	49.78					
29.48	29.48	30.18	30.18	0.02	0.01	-45.68	-39.01	30.96	49.73	49.71	0.02	2,023.474		
48.16	48.16	48.81	48.81	0.08	0.08	-42.24	-39.09	30.94	49.70	49.54	0.16	315.066		
60.08	60.08	60.70	60.70	0.12	0.12	-33.72	-39.18	30.89	49.71	49.47	0.24	206.361		
121.28	121.28	121.98	121.97	0.33	0.34	137.83	-39.62	30.58	50.11	49.44	0.67	74.504		
151.88	151.88	152.46	152.46	0.44	0.45	52.57	-39.81	30.49	50.22	49.33	0.89	56.559		
178.44	178.44	179.15	179.14	0.53	0.55	7.75	-40.01	30.36	50.15	49.08	1.08	46.584		
182.48	182.47	183.20	183.20	0.55	0.56	-63.99	-40.05	30.33	50.15	49.05	1.11	45.375		
213.08	213.07	213.80	213.79	0.65	0.67	-51.98	-40.34	30.01	50.14	48.82	1.32	37.913		
224.07	224.07	224.78	224.77	0.69	0.71	-71.79	-40.46	29.88	50.13	48.73	1.40	35.790		
243.68	243.67	244.38	244.37	0.76	0.78	-96.61	-40.67	29.66	50.16	48.62	1.54	32.572		
286.38	286.37	287.31	287.29	0.91	0.93	-54.07	-41.12	29.02	50.06	48.21	1.85	27.130		
329.08	329.07	330.20	330.17	1.06	1.09	-64.07	-41.54	28.10	49.64	47.49	2.15	23.077		
371.78	371.77	373.10	373.05	1.22	1.24	-86.50	-41.94	26.91	49.17	46.71	2.46	20.012		
414.48	414.46	416.18	416.11	1.36	1.40	165.61	-42.18	25.48	48.90	46.14	2.76	17.723		
424.71	424.69	426.53	426.45	1.40	1.43	159.26	-42.19	25.10	48.89	46.06	2.83	17.269 CC		
457.18	457.15	459.37	459.26	1.51	1.55	151.99	-42.09	23.78	49.00	45.94	3.06	16.019		
499.88	499.81	502.20	502.05	1.66	1.70	145.71	-41.81	21.81	49.39	46.04	3.36	14.706		
542.58	542.45	544.98	544.76	1.81	1.86	148.60	-41.48	19.52	50.05	46.39	3.66	13.671		
585.28	585.08	587.74	587.44	1.96	2.01	153.61	-41.08	17.00	50.89	46.93	3.96	12.838		
627.98	627.70	630.17	629.80	2.11	2.17	158.26	-40.67	14.43	51.95	47.68	4.27	12.170		
670.68	670.32	672.22	671.78	2.26	2.32	162.92	-40.48	12.06	53.75	49.17	4.57	11.750		
713.38	712.90	714.60	714.11	2.41	2.47	170.44	-40.45	10.09	56.41	51.53	4.88	11.558		
756.08	755.45	757.14	756.63	2.57	2.63	170.90	-40.39	8.65	59.69	54.50	5.19	11.507		
798.78	797.96	799.64	799.12	2.73	2.78	175.70	-40.25	7.70	63.43	57.94	5.49	11.551		
841.48	840.50	842.23	841.70	2.88	2.93	-177.14	-40.06	7.19	66.79	61.00	5.79	11.532		
884.18	883.12	884.67	884.14	3.04	3.08	-174.97	-39.89	6.95	69.30	63.21	6.09	11.378		
926.88	925.77	927.25	926.72	3.19	3.23	-174.44	-39.79	6.76	71.20	64.81	6.39	11.140		
969.58	968.44	969.68	969.16	3.34	3.38	-177.56	-39.79	6.55	72.68	65.98	6.69	10.858		
1,012.28	1,011.13	1,012.94	1,012.41	3.50	3.53	-178.40	-39.70	6.28	73.51	66.51	7.00	10.504		
1,054.98	1,053.83	1,055.38	1,054.85	3.65	3.69	-167.70	-39.54	5.95	73.78	66.48	7.30	10.108		
1,097.68	1,096.53	1,097.49	1,096.96	3.80	3.84	-85.75	-39.61	5.61	74.00	66.40	7.60	9.738		
1,140.38	1,139.23	1,140.63	1,140.09	3.94	3.99	-34.67	-39.73	5.33	73.92	66.02	7.90	9.358		
1,183.08	1,181.92	1,183.39	1,182.85	4.09	4.14	-51.54	-39.70	5.03	73.60	65.40	8.20	8.976		
1,225.78	1,224.62	1,226.01	1,225.48	4.23	4.29	-62.86	-39.68	4.69	73.33	64.83	8.50	8.629		
1,268.48	1,267.32	1,269.15	1,268.61	4.38	4.44	-28.33	-39.52	4.66	72.79	63.99	8.79	8.277		
1,311.18	1,310.01	1,312.10	1,311.56	4.53	4.58	-28.04	-39.13	4.90	71.79	62.70	9.08	7.903		
1,353.88	1,352.71	1,354.74	1,354.19	4.67	4.73	-31.56	-38.67	5.18	70.68	61.30	9.37	7.540		
1,396.58	1,395.40	1,397.95	1,397.40	4.82	4.87	-34.05	-38.04	5.50	69.38	59.71	9.67	7.178		
1,439.28	1,438.09	1,440.23	1,439.68	4.96	5.01	-30.90	-37.38	5.90	68.00	58.04	9.96	6.830		
1,481.98	1,480.78	1,482.89	1,482.32	5.11	5.16	-35.71	-36.83	6.29	66.68	56.43	10.25	6.506		
1,524.68	1,523.46	1,525.50	1,524.94	5.26	5.30	-38.02	-36.31	6.63	65.28	54.74	10.54	6.193		
1,567.38	1,566.14	1,568.23	1,567.66	5.41	5.45	-38.95	-35.78	6.93	63.83	52.99	10.84	5.890		
1,610.08	1,608.83	1,610.66	1,610.08	5.56	5.59	-27.50	-35.32	7.23	62.55	51.42	11.13	5.620		
1,652.78	1,651.52	1,652.93	1,652.35	5.70	5.73	-3.62	-35.05	7.70	61.76	50.34	11.42	5.408		
1,695.48	1,694.22	1,695.68	1,695.10	5.85	5.88	1.29	-34.91	8.17	61.23	49.52	11.71	5.229		
1,738.18	1,736.92	1,738.35	1,737.77	6.00	6.02	14.32	-34.78	8.53	60.63	48.63	12.00	5.051		
1,780.88	1,779.61	1,780.81	1,780.23	6.15	6.17	10.51	-34.75	8.87	60.12	47.82	12.30	4.890		
1,823.58	1,822.31	1,823.55	1,822.97	6.30	6.31	2.73	-34.78	9.22	59.67	47.09	12.59	4.740		
1,866.28	1,865.00	1,866.20	1,865.61	6.45	6.46	-1.97	-34.80	9.64	59.10	46.21	12.88	4.588		
1,908.98	1,907.69	1,908.98	1,908.39	6.59	6.60	0.61	-34.77	10.18	58.40	45.23	13.18	4.432		
1,951.68	1,950.39	1,951.61	1,951.02	6.74	6.75	1.18	-34.74	10.70	57.66	44.18	13.47	4.280		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 1CH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG, 2122-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
1,994.38	1,993.08	1,994.31	1,993.72	6.89	6.89	0.26	-34.71	11.27	56.85	43.09	13.77	4.130		
2,037.08	2,035.77	2,036.93	2,036.33	7.04	7.04	-2.51	-34.68	11.94	56.05	41.99	14.06	3.986		
2,079.78	2,078.46	2,079.45	2,078.85	7.19	7.18	3.44	-34.75	12.58	55.35	41.00	14.36	3.855		
2,122.48	2,121.15	2,122.40	2,121.78	7.34	7.33	-1.15	-34.78	13.21	54.68	40.03	14.66	3.731		
2,165.18	2,163.84	2,165.08	2,164.47	7.49	7.48	-3.42	-34.70	13.89	54.00	39.05	14.95	3.611		
2,200.00	2,198.65	2,200.00	2,199.38	7.55	7.60	-3.96	-34.64	14.37	53.44	38.31	15.13	3.531		
2,220.18	2,218.83	2,220.27	2,219.65	7.55	7.67	-4.10	-34.61	14.47	53.08	37.87	15.21	3.490		
2,300.00	2,298.64	2,300.45	2,299.82	7.56	7.95	-108.77	-34.63	13.44	52.24	36.74	15.50	3.371		
2,309.17	2,307.81	2,309.66	2,309.03	7.57	7.98	-114.94	-34.65	13.18	52.23	36.70	15.53	3.362		
2,400.00	2,398.59	2,400.85	2,400.12	7.59	8.31	-134.51	-34.90	9.01	53.14	37.26	15.88	3.346		
2,500.00	2,498.36	2,501.10	2,500.04	7.64	8.67	-136.36	-35.44	1.09	56.36	40.07	16.28	3.461		
2,600.00	2,597.86	2,601.08	2,599.37	7.71	9.03	-134.28	-36.25	-10.27	62.11	45.39	16.71	3.716		
2,700.00	2,696.94	2,700.66	2,698.09	7.79	9.40	-132.50	-37.19	-23.26	70.60	53.43	17.17	4.112		
2,730.19	2,726.76	2,730.69	2,727.86	7.83	9.51	-132.35	-37.47	-27.18	73.68	56.37	17.31	4.256		
2,800.00	2,795.64	2,800.10	2,796.68	7.91	9.77	-131.81	-38.12	-36.24	81.08	63.43	17.65	4.593		
2,900.00	2,894.31	2,900.47	2,895.25	8.05	10.15	-131.19	-39.06	-49.22	91.70	73.54	18.16	5.049		
3,000.00	2,992.99	3,001.04	2,993.83	8.22	10.54	-130.70	-39.99	-62.20	102.32	83.62	18.69	5.473		
3,100.00	3,091.66	3,101.61	3,092.41	8.40	10.92	-130.30	-40.92	-75.17	112.94	93.69	19.25	5.868		
3,200.00	3,190.34	3,202.18	3,190.98	8.61	11.31	-129.97	-41.86	-88.15	123.57	103.75	19.82	6.233		
3,300.00	3,289.01	3,302.75	3,289.56	8.83	11.71	-129.69	-42.79	-101.12	134.21	113.79	20.42	6.573		
3,400.00	3,387.69	3,403.32	3,388.13	9.07	12.10	-129.46	-43.73	-114.10	144.85	123.81	21.03	6.887		
3,500.00	3,486.36	3,503.89	3,486.71	9.33	12.50	-129.25	-44.66	-127.08	155.49	133.82	21.66	7.178		
3,600.00	3,585.03	3,604.45	3,585.29	9.60	12.90	-129.07	-45.59	-140.05	166.13	143.82	22.31	7.448		
3,700.00	3,683.71	3,705.02	3,683.86	9.88	13.30	-128.91	-46.53	-153.03	176.77	153.81	22.96	7.698		
3,800.00	3,782.38	3,805.59	3,782.44	10.18	13.70	-128.78	-47.46	-166.01	187.41	163.78	23.64	7.929		
3,900.00	3,881.06	3,906.16	3,881.02	10.48	14.10	-128.65	-48.40	-178.98	198.06	173.74	24.32	8.144		
4,000.00	3,979.73	4,006.73	3,979.59	10.80	14.51	-128.54	-49.33	-191.96	208.70	183.69	25.01	8.343		
4,100.00	4,078.41	4,107.30	4,078.17	11.13	14.91	-128.44	-50.26	-204.94	219.35	193.63	25.72	8.529		
4,200.00	4,177.08	4,207.87	4,176.74	11.46	15.32	-128.35	-51.20	-217.91	230.00	203.57	26.43	8.701		
4,300.00	4,275.76	4,308.44	4,275.32	11.80	15.72	-128.26	-52.13	-230.89	240.65	213.49	27.15	8.862		
4,400.00	4,374.43	4,409.01	4,373.90	12.15	16.13	-128.19	-53.07	-243.86	251.29	223.41	27.89	9.012		
4,500.00	4,473.10	4,509.58	4,472.47	12.51	16.54	-128.12	-54.00	-256.84	261.94	233.32	28.62	9.152		
4,600.00	4,571.78	4,589.86	4,571.05	12.87	16.87	-128.05	-54.93	-269.82	272.59	243.31	29.28	9.308		
4,700.00	4,670.45	4,689.29	4,669.62	13.23	17.27	-127.99	-55.87	-282.79	283.24	253.21	30.03	9.432		
4,800.00	4,769.13	4,788.72	4,768.20	13.60	17.68	-127.94	-56.80	-295.77	293.89	263.11	30.78	9.548		
4,900.00	4,867.80	4,888.15	4,866.78	13.98	18.09	-127.89	-57.74	-308.75	304.54	273.00	31.54	9.656		
5,000.00	4,966.48	4,987.58	4,965.35	14.36	18.50	-127.84	-58.67	-321.72	315.19	282.89	32.30	9.759		
5,100.00	5,065.15	5,087.01	5,063.93	14.75	18.90	-127.79	-59.60	-334.70	325.84	292.77	33.06	9.855		
5,200.00	5,163.82	5,186.44	5,162.50	15.13	19.31	-127.75	-60.54	-347.68	336.49	302.65	33.83	9.945		
5,300.00	5,262.50	5,285.87	5,261.08	15.52	19.72	-127.71	-61.47	-360.65	347.14	312.53	34.61	10.031		
5,400.00	5,361.17	5,385.30	5,359.66	15.92	20.13	-127.67	-62.41	-373.63	357.79	322.40	35.39	10.111		
5,500.00	5,459.85	5,484.73	5,458.23	16.32	20.54	-127.64	-63.34	-386.61	368.44	332.27	36.17	10.187		
5,600.00	5,558.52	5,584.17	5,556.81	16.71	20.95	-127.61	-64.27	-399.58	379.09	342.14	36.95	10.260		
5,700.00	5,657.20	5,683.60	5,655.39	17.12	21.36	-127.57	-65.21	-412.56	389.74	352.00	37.74	10.328		
5,800.00	5,755.87	5,783.03	5,753.96	17.52	21.78	-127.55	-66.14	-425.53	400.39	361.87	38.53	10.393		
5,900.00	5,854.54	5,882.46	5,852.54	17.93	22.19	-127.52	-67.08	-438.51	411.04	371.72	39.32	10.454		
6,000.00	5,953.22	5,981.89	5,951.11	18.34	22.60	-127.49	-68.01	-451.49	421.69	381.58	40.11	10.513		
6,100.00	6,051.89	6,081.32	6,049.69	18.75	23.01	-127.47	-68.94	-464.46	432.34	391.44	40.91	10.568		
6,200.00	6,150.57	6,180.75	6,148.27	19.16	23.42	-127.44	-69.88	-477.44	443.00	401.29	41.71	10.621		
6,300.00	6,249.24	6,280.18	6,246.84	19.57	23.84	-127.42	-70.81	-490.42	453.65	411.14	42.51	10.672		
6,400.00	6,347.92	6,379.61	6,345.42	19.99	24.25	-127.40	-71.75	-503.39	464.30	420.99	43.31	10.720		
6,500.00	6,446.59	6,479.04	6,443.99	20.41	24.66	-127.38	-72.68	-516.37	474.95	430.84	44.12	10.766		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 1CH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG, 2122-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
6,600.00	6,545.26	6,578.47	6,542.57	20.82	25.08	-127.36	-73.61	-529.35	485.60	440.68	44.92	10.810		
6,700.00	6,643.94	6,677.91	6,641.15	21.24	25.49	-127.34	-74.55	-542.32	496.25	450.52	45.73	10.852		
6,800.00	6,742.61	6,777.34	6,739.72	21.66	25.90	-127.32	-75.48	-555.30	506.91	460.37	46.54	10.892		
6,900.00	6,841.29	6,876.77	6,838.30	22.09	26.32	-127.30	-76.42	-568.28	517.56	470.21	47.35	10.931		
7,000.00	6,939.96	6,976.20	6,936.88	22.51	26.73	-127.28	-77.35	-581.25	528.21	480.05	48.16	10.968		
7,100.00	7,038.64	7,075.63	7,035.45	22.93	27.15	-127.27	-78.28	-594.23	538.86	489.89	48.97	11.003		
7,200.00	7,137.31	7,175.06	7,134.03	23.36	27.56	-127.25	-79.22	-607.20	549.51	499.73	49.79	11.037		
7,300.00	7,235.99	7,274.49	7,232.60	23.78	27.98	-127.24	-80.15	-620.18	560.16	509.56	50.60	11.070		
7,400.00	7,334.66	7,373.92	7,331.18	24.21	28.39	-127.22	-81.09	-633.16	570.82	519.40	51.42	11.101		
7,444.84	7,378.91	7,418.51	7,375.38	24.40	28.58	-127.22	-81.50	-638.98	575.59	523.81	51.79	11.115		
7,450.00	7,383.99	7,423.64	7,380.47	24.42	28.60	-125.35	-81.55	-639.65	576.14	524.32	51.83	11.117		
7,500.00	7,432.91	7,473.27	7,429.68	24.66	28.81	-113.39	-82.02	-646.12	581.47	529.22	52.24	11.130		
7,550.00	7,480.84	7,523.36	7,479.23	24.93	29.02	-107.49	-82.49	-653.32	586.80	534.11	52.69	11.136		
7,600.00	7,527.44	7,574.51	7,529.09	25.23	29.27	-104.09	-82.96	-664.68	592.06	538.86	53.21	11.128		
7,650.00	7,572.35	7,626.33	7,578.36	25.57	29.55	-101.91	-83.43	-680.67	597.21	543.42	53.79	11.102		
7,700.00	7,615.21	7,678.83	7,626.60	25.94	29.87	-100.43	-83.89	-701.34	602.20	547.74	54.46	11.059		
7,750.00	7,655.72	7,732.01	7,673.32	26.35	30.22	-99.39	-84.33	-726.68	606.98	551.78	55.20	10.996		
7,800.00	7,693.55	7,785.86	7,718.04	26.80	30.62	-98.64	-84.76	-756.65	611.50	555.48	56.03	10.915		
7,850.00	7,728.43	7,840.39	7,760.25	27.29	31.06	-98.08	-85.17	-791.14	615.73	558.78	56.95	10.813		
7,900.00	7,760.08	7,895.55	7,799.42	27.82	31.56	-97.66	-85.54	-829.95	619.61	561.65	57.96	10.690		
7,950.00	7,788.27	7,951.33	7,835.05	28.40	32.10	-97.36	-85.89	-872.84	623.11	564.03	59.08	10.546		
8,000.00	7,812.78	8,007.68	7,866.64	29.02	32.70	-97.13	-86.19	-919.47	626.18	565.87	60.31	10.383		
8,050.00	7,833.42	8,064.53	7,893.71	29.69	33.36	-96.96	-86.45	-969.43	628.79	567.13	61.66	10.197		
8,100.00	7,850.04	8,121.81	7,915.85	30.41	34.08	-96.84	-86.67	-1,022.24	630.92	567.80	63.12	9.995		
8,150.00	7,862.51	8,179.45	7,932.69	31.16	34.85	-96.77	-86.84	-1,077.33	632.53	567.84	64.68	9.779		
8,200.00	7,870.73	8,237.35	7,943.96	31.94	35.67	-96.73	-86.95	-1,134.10	633.60	567.26	66.34	9.551		
8,250.00	7,874.65	8,295.42	7,949.45	32.75	36.53	-96.72	-87.01	-1,191.88	634.12	566.05	68.07	9.316		
8,270.17	7,875.00	8,318.86	7,950.00	33.09	36.88	-96.72	-87.02	-1,215.32	634.17	565.39	68.78	9.220		
8,300.00	7,875.00	8,348.94	7,950.00	33.59	37.35	-96.72	-87.03	-1,245.40	634.17	564.41	69.77	9.090		
8,400.00	7,875.00	8,448.94	7,950.00	35.34	38.97	-96.72	-87.04	-1,345.40	634.17	560.98	73.19	8.665		
8,500.00	7,875.00	8,548.94	7,950.00	37.22	40.70	-96.72	-87.06	-1,445.40	634.17	557.34	76.83	8.254		
8,600.00	7,875.00	8,648.94	7,950.00	39.18	42.53	-96.72	-87.07	-1,545.40	634.17	553.51	80.66	7.862		
8,700.00	7,875.00	8,748.94	7,950.00	41.23	44.45	-96.72	-87.08	-1,645.40	634.17	549.52	84.65	7.492		
8,800.00	7,875.00	8,848.94	7,950.00	43.36	46.45	-96.72	-87.10	-1,745.40	634.17	545.39	88.79	7.143		
8,900.00	7,875.00	8,948.94	7,950.00	45.54	48.51	-96.72	-87.11	-1,845.40	634.17	541.13	93.04	6.816		
9,000.00	7,875.00	9,048.94	7,950.00	47.77	50.63	-96.72	-87.13	-1,945.40	634.17	536.76	97.41	6.510		
9,100.00	7,875.00	9,148.94	7,950.00	50.06	52.80	-96.72	-87.14	-2,045.40	634.17	532.30	101.87	6.225		
9,200.00	7,875.00	9,248.94	7,950.00	52.38	55.02	-96.72	-87.16	-2,145.40	634.17	527.76	106.41	5.960		
9,300.00	7,875.00	9,348.94	7,950.00	54.73	57.28	-96.72	-87.17	-2,245.40	634.17	523.15	111.02	5.712		
9,400.00	7,875.00	9,448.94	7,950.00	57.12	59.58	-96.72	-87.19	-2,345.40	634.17	518.48	115.70	5.481		
9,500.00	7,875.00	9,548.94	7,950.00	59.53	61.91	-96.72	-87.20	-2,445.40	634.17	513.74	120.43	5.266		
9,600.00	7,875.00	9,648.94	7,950.00	61.96	64.26	-96.72	-87.22	-2,545.40	634.17	508.96	125.21	5.065		
9,700.00	7,875.00	9,748.94	7,950.00	64.42	66.65	-96.72	-87.23	-2,645.40	634.17	504.14	130.04	4.877		
9,800.00	7,875.00	9,848.94	7,950.00	66.89	69.05	-96.72	-87.24	-2,745.40	634.17	499.27	134.90	4.701		
9,900.00	7,875.00	9,948.94	7,950.00	69.38	71.48	-96.72	-87.26	-2,845.40	634.17	494.37	139.80	4.536		
10,000.00	7,875.00	10,048.94	7,950.00	71.89	73.92	-96.72	-87.27	-2,945.40	634.17	489.44	144.73	4.382		
10,100.00	7,875.00	10,148.94	7,950.00	74.41	76.38	-96.72	-87.29	-3,045.40	634.17	484.48	149.69	4.236		
10,200.00	7,875.00	10,248.94	7,950.00	76.94	78.85	-96.72	-87.30	-3,145.40	634.17	479.49	154.68	4.100		
10,300.00	7,875.00	10,348.94	7,950.00	79.48	81.34	-96.72	-87.32	-3,245.40	634.17	474.48	159.69	3.971		
10,400.00	7,875.00	10,448.94	7,950.00	82.03	83.84	-96.72	-87.33	-3,345.40	634.17	469.45	164.72	3.850		
10,500.00	7,875.00	10,548.94	7,950.00	84.59	86.36	-96.72	-87.35	-3,445.40	634.17	464.40	169.77	3.735		
10,600.00	7,875.00	10,648.94	7,950.00	87.16	88.88	-96.72	-87.36	-3,545.40	634.17	459.33	174.84	3.627		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 1CH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG, 2122-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
10,700.00	7,875.00	10,748.94	7,950.00	89.73	91.41	-96.72	-87.38	-3,645.40	634.17	454.25	179.93	3.525		
10,800.00	7,875.00	10,848.94	7,950.00	92.31	93.96	-96.72	-87.39	-3,745.40	634.17	449.15	185.03	3.427		
10,900.00	7,875.00	10,948.94	7,950.00	94.90	96.51	-96.72	-87.40	-3,845.40	634.17	444.03	190.14	3.335		
11,000.00	7,875.00	11,048.94	7,950.00	97.49	99.06	-96.72	-87.42	-3,945.40	634.17	438.91	195.27	3.248		
11,100.00	7,875.00	11,148.94	7,950.00	100.09	101.63	-96.72	-87.43	-4,045.40	634.17	433.77	200.40	3.164		
11,200.00	7,875.00	11,248.94	7,950.00	102.69	104.20	-96.72	-87.45	-4,145.40	634.17	428.62	205.55	3.085		
11,300.00	7,875.00	11,348.94	7,950.00	105.30	106.78	-96.72	-87.46	-4,245.40	634.17	423.46	210.71	3.010		
11,400.00	7,875.00	11,448.94	7,950.00	107.91	109.36	-96.72	-87.48	-4,345.40	634.17	418.29	215.88	2.938		
11,500.00	7,875.00	11,548.94	7,950.00	110.53	111.94	-96.72	-87.49	-4,445.40	634.17	413.12	221.06	2.869		
11,600.00	7,875.00	11,648.94	7,950.00	113.15	114.54	-96.72	-87.51	-4,545.40	634.17	407.93	226.24	2.803		
11,700.00	7,875.00	11,748.94	7,950.00	115.77	117.13	-96.72	-87.52	-4,645.40	634.17	402.74	231.43	2.740		
11,800.00	7,875.00	11,848.94	7,950.00	118.40	119.73	-96.72	-87.54	-4,745.40	634.17	397.54	236.63	2.680		
11,900.00	7,875.00	11,948.94	7,950.00	121.03	122.34	-96.72	-87.55	-4,845.40	634.17	392.34	241.84	2.622		
12,000.00	7,875.00	12,048.94	7,950.00	123.66	124.95	-96.72	-87.56	-4,945.40	634.17	387.12	247.05	2.567		
12,100.00	7,875.00	12,148.94	7,950.00	126.29	127.56	-96.72	-87.58	-5,045.40	634.17	381.91	252.27	2.514		
12,200.00	7,875.00	12,248.94	7,950.00	128.93	130.17	-96.72	-87.59	-5,145.40	634.17	376.68	257.49	2.463		
12,300.00	7,875.00	12,348.94	7,950.00	131.57	132.79	-96.72	-87.61	-5,245.40	634.17	371.46	262.72	2.414		
12,400.00	7,875.00	12,448.94	7,950.00	134.21	135.41	-96.72	-87.62	-5,345.40	634.17	366.22	267.95	2.367		
12,500.00	7,875.00	12,548.94	7,950.00	136.85	138.04	-96.72	-87.64	-5,445.40	634.17	360.98	273.19	2.321		
12,600.00	7,875.00	12,648.94	7,950.00	139.49	140.66	-96.72	-87.65	-5,545.40	634.17	355.74	278.43	2.278		
12,700.00	7,875.00	12,748.94	7,950.00	142.14	143.29	-96.72	-87.67	-5,645.40	634.17	350.50	283.68	2.236		
12,800.00	7,875.00	12,848.94	7,950.00	144.79	145.92	-96.72	-87.68	-5,745.40	634.17	345.25	288.93	2.195		
12,900.00	7,875.00	12,948.94	7,950.00	147.44	148.56	-96.72	-87.70	-5,845.40	634.17	339.99	294.18	2.156		
13,000.00	7,875.00	13,048.94	7,950.00	150.09	151.19	-96.72	-87.71	-5,945.40	634.17	334.74	299.44	2.118		
13,100.00	7,875.00	13,148.94	7,950.00	152.74	153.83	-96.72	-87.72	-6,045.40	634.17	329.48	304.70	2.081		
13,200.00	7,875.00	13,248.94	7,950.00	155.39	156.47	-96.72	-87.74	-6,145.40	634.17	324.21	309.96	2.046		
13,300.00	7,875.00	13,348.94	7,950.00	158.05	159.11	-96.72	-87.75	-6,245.40	634.17	318.95	315.23	2.012		
13,400.00	7,875.00	13,448.94	7,950.00	160.70	161.75	-96.72	-87.77	-6,345.40	634.17	313.68	320.49	1.979		
13,500.00	7,875.00	13,548.94	7,950.00	163.36	164.39	-96.72	-87.78	-6,445.40	634.17	308.41	325.77	1.947		
13,600.00	7,875.00	13,648.94	7,950.00	166.02	167.04	-96.72	-87.80	-6,545.40	634.17	303.13	331.04	1.916		
13,700.00	7,875.00	13,748.94	7,950.00	168.68	169.69	-96.72	-87.81	-6,645.40	634.17	297.86	336.32	1.886		
13,800.00	7,875.00	13,848.94	7,950.00	171.34	172.34	-96.72	-87.83	-6,745.40	634.17	292.58	341.59	1.857		
13,900.00	7,875.00	13,948.94	7,950.00	174.00	174.98	-96.72	-87.84	-6,845.40	634.17	287.30	346.88	1.828		
14,000.00	7,875.00	14,048.94	7,950.00	176.66	177.64	-96.72	-87.86	-6,945.40	634.17	282.02	352.16	1.801		
14,100.00	7,875.00	14,148.94	7,950.00	179.33	180.29	-96.72	-87.87	-7,045.40	634.17	276.73	357.44	1.774		
14,200.00	7,875.00	14,248.94	7,950.00	181.99	182.94	-96.72	-87.88	-7,145.40	634.17	271.44	362.73	1.748		
14,300.00	7,875.00	14,348.94	7,950.00	184.66	185.60	-96.72	-87.90	-7,245.40	634.17	266.15	368.02	1.723		
14,400.00	7,875.00	14,448.94	7,950.00	187.32	188.25	-96.72	-87.91	-7,345.40	634.17	260.86	373.31	1.699		
14,500.00	7,875.00	14,548.94	7,950.00	189.99	190.91	-96.72	-87.93	-7,445.40	634.17	255.57	378.60	1.675		
14,600.00	7,875.00	14,648.94	7,950.00	192.66	193.56	-96.72	-87.94	-7,545.40	634.17	250.28	383.89	1.652		
14,700.00	7,875.00	14,748.94	7,950.00	195.32	196.22	-96.72	-87.96	-7,645.40	634.17	244.98	389.19	1.629		
14,800.00	7,875.00	14,848.94	7,950.00	197.99	198.88	-96.72	-87.97	-7,745.40	634.17	239.69	394.49	1.608		
14,900.00	7,875.00	14,948.94	7,950.00	200.66	201.54	-96.72	-87.99	-7,845.40	634.17	234.39	399.78	1.586		
15,000.00	7,875.00	15,048.94	7,950.00	203.33	204.20	-96.72	-88.00	-7,945.40	634.17	229.09	405.08	1.566		
15,100.00	7,875.00	15,148.94	7,950.00	206.00	206.86	-96.72	-88.02	-8,045.40	634.17	223.79	410.38	1.545		
15,200.00	7,875.00	15,248.94	7,950.00	208.67	209.53	-96.72	-88.03	-8,145.40	634.17	218.49	415.69	1.526		
15,300.00	7,875.00	15,348.94	7,950.00	211.34	212.19	-96.72	-88.04	-8,245.40	634.17	213.18	420.99	1.506		
15,400.00	7,875.00	15,448.94	7,950.00	214.01	214.85	-96.72	-88.06	-8,345.40	634.17	207.88	426.29	1.488 Level 3		
15,500.00	7,875.00	15,548.94	7,950.00	216.69	217.52	-96.72	-88.07	-8,445.40	634.17	202.57	431.60	1.469 Level 3		
15,600.00	7,875.00	15,648.94	7,950.00	219.36	220.18	-96.72	-88.09	-8,545.40	634.17	197.27	436.91	1.452 Level 3		
15,700.00	7,875.00	15,748.94	7,950.00	222.03	222.85	-96.72	-88.10	-8,645.40	634.17	191.96	442.21	1.434 Level 3		
15,800.00	7,875.00	15,848.94	7,950.00	224.71	225.52	-96.72	-88.12	-8,745.40	634.17	186.65	447.52	1.417 Level 3		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 1CH - OWB - PROPOSAL 1													Offset Site Error: 0.00 usft	
Survey Program: 29-MWD OWSG, 2122-MWD OWSG													Offset Well Error: 0.00 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)	Minimum Separation (usft)	Separation Factor		
15,900.00	7,875.00	15,948.94	7,950.00	227.38	228.18	-96.72	-88.13	-8,845.40	634.17	181.34	452.83	1.400	Level 3	
16,000.00	7,875.00	16,048.94	7,950.00	230.05	230.85	-96.72	-88.15	-8,945.40	634.17	176.03	458.14	1.384	Level 3	
16,100.00	7,875.00	16,148.94	7,950.00	232.73	233.52	-96.72	-88.16	-9,045.40	634.17	170.72	463.46	1.368	Level 3	
16,200.00	7,875.00	16,248.94	7,950.00	235.40	236.19	-96.72	-88.18	-9,145.40	634.17	165.41	468.77	1.353	Level 3	
16,300.00	7,875.00	16,348.94	7,950.00	238.08	238.86	-96.72	-88.19	-9,245.40	634.17	160.09	474.08	1.338	Level 3	
16,400.00	7,875.00	16,448.94	7,950.00	240.76	241.52	-96.72	-88.20	-9,345.40	634.17	154.78	479.40	1.323	Level 3	
16,500.00	7,875.00	16,548.94	7,950.00	243.43	244.19	-96.72	-88.22	-9,445.40	634.17	149.46	484.71	1.308	Level 3	
16,600.00	7,875.00	16,648.94	7,950.00	246.11	246.87	-96.72	-88.23	-9,545.40	634.17	144.15	490.03	1.294	Level 3	
16,700.00	7,875.00	16,748.94	7,950.00	248.78	249.54	-96.72	-88.25	-9,645.40	634.17	138.83	495.34	1.280	Level 3	
16,800.00	7,875.00	16,848.94	7,950.00	251.46	252.21	-96.72	-88.26	-9,745.40	634.17	133.51	500.66	1.267	Level 3	
16,900.00	7,875.00	16,948.94	7,950.00	254.14	254.88	-96.72	-88.28	-9,845.40	634.17	128.20	505.98	1.253	Level 3	
17,000.00	7,875.00	17,048.94	7,950.00	256.82	257.55	-96.72	-88.29	-9,945.40	634.17	122.88	511.30	1.240	Level 2	
17,100.00	7,875.00	17,148.94	7,950.00	259.50	260.22	-96.72	-88.31	-10,045.40	634.17	117.56	516.61	1.228	Level 2	
17,200.00	7,875.00	17,248.94	7,950.00	262.17	262.90	-96.72	-88.32	-10,145.40	634.17	112.24	521.93	1.215	Level 2	
17,300.00	7,875.00	17,348.94	7,950.00	264.85	265.57	-96.72	-88.34	-10,245.40	634.17	106.92	527.25	1.203	Level 2	
17,400.00	7,875.00	17,448.94	7,950.00	267.53	268.24	-96.72	-88.35	-10,345.40	634.17	101.60	532.58	1.191	Level 2	
17,500.00	7,875.00	17,548.94	7,950.00	270.21	270.92	-96.72	-88.36	-10,445.40	634.17	96.28	537.90	1.179	Level 2	
17,600.00	7,875.00	17,648.94	7,950.00	272.89	273.59	-96.72	-88.38	-10,545.40	634.17	90.95	543.22	1.167	Level 2	
17,700.00	7,875.00	17,748.94	7,950.00	275.57	276.27	-96.72	-88.39	-10,645.40	634.17	85.63	548.54	1.156	Level 2	
17,800.00	7,875.00	17,848.94	7,950.00	278.25	278.94	-96.72	-88.41	-10,745.40	634.17	80.31	553.86	1.145	Level 2	
17,900.00	7,875.00	17,948.94	7,950.00	280.93	281.62	-96.72	-88.42	-10,845.40	634.17	74.98	559.19	1.134	Level 2	
18,000.00	7,875.00	18,048.94	7,950.00	283.61	284.29	-96.72	-88.44	-10,945.40	634.17	69.66	564.51	1.123	Level 2	
18,100.00	7,875.00	18,148.94	7,950.00	286.29	286.97	-96.72	-88.45	-11,045.40	634.17	64.34	569.84	1.113	Level 2	
18,200.00	7,875.00	18,248.94	7,950.00	288.97	289.65	-96.72	-88.47	-11,145.40	634.17	59.01	575.16	1.103	Level 2	
18,300.00	7,875.00	18,348.94	7,950.00	291.65	292.32	-96.72	-88.48	-11,245.40	634.17	53.69	580.49	1.092	Level 2	
18,400.00	7,875.00	18,448.94	7,950.00	294.33	295.00	-96.72	-88.50	-11,345.40	634.17	48.36	585.81	1.083	Level 2	
18,500.00	7,875.00	18,548.94	7,950.00	297.01	297.68	-96.72	-88.51	-11,445.40	634.17	43.03	591.14	1.073	Level 2	
18,600.00	7,875.00	18,648.94	7,950.00	299.69	300.35	-96.72	-88.52	-11,545.40	634.17	37.71	596.47	1.063	Level 2	
18,700.00	7,875.00	18,748.94	7,950.00	302.38	303.03	-96.72	-88.54	-11,645.40	634.17	32.38	601.79	1.054	Level 2	
18,800.00	7,875.00	18,848.94	7,950.00	305.06	305.71	-96.72	-88.55	-11,745.40	634.17	27.05	607.12	1.045	Level 2	
18,900.00	7,875.00	18,948.94	7,950.00	307.74	308.39	-96.72	-88.57	-11,845.40	634.17	21.72	612.45	1.035	Level 2	
19,000.00	7,875.00	19,048.94	7,950.00	310.42	311.07	-96.72	-88.58	-11,945.40	634.17	16.39	617.78	1.027	Level 2	
19,100.00	7,875.00	19,148.94	7,950.00	313.10	313.74	-96.72	-88.60	-12,045.40	634.17	11.07	623.11	1.018	Level 2	
19,200.00	7,875.00	19,248.94	7,950.00	315.79	316.42	-96.72	-88.61	-12,145.40	634.17	5.74	628.44	1.009	Level 2	
19,300.00	7,875.00	19,348.94	7,950.00	318.47	319.10	-96.72	-88.63	-12,245.40	634.17	0.41	633.77	1.001	Level 2	
19,400.00	7,875.00	19,448.94	7,950.00	321.15	321.78	-96.72	-88.64	-12,345.40	634.17	-4.92	639.10	0.992	Level 1	
19,500.00	7,875.00	19,548.94	7,950.00	323.83	324.46	-96.72	-88.66	-12,445.40	634.17	-10.25	644.43	0.984	Level 1	
19,600.00	7,875.00	19,648.94	7,950.00	326.52	327.14	-96.72	-88.67	-12,545.40	634.17	-15.58	649.76	0.976	Level 1	
19,700.00	7,875.00	19,748.94	7,950.00	329.20	329.82	-96.72	-88.68	-12,645.40	634.17	-20.91	655.09	0.968	Level 1	
19,800.00	7,875.00	19,848.94	7,950.00	331.88	332.50	-96.72	-88.70	-12,745.40	634.17	-26.25	660.42	0.960	Level 1	
19,900.00	7,875.00	19,948.94	7,950.00	334.57	335.18	-96.72	-88.71	-12,845.40	634.17	-31.58	665.75	0.953	Level 1	
20,000.00	7,875.00	20,048.94	7,950.00	337.25	337.86	-96.72	-88.73	-12,945.40	634.17	-36.91	671.08	0.945	Level 1	
20,100.00	7,875.00	20,148.94	7,950.00	339.93	340.54	-96.72	-88.74	-13,045.40	634.17	-42.24	676.42	0.938	Level 1	
20,200.00	7,875.00	20,248.94	7,950.00	342.62	343.22	-96.72	-88.76	-13,145.40	634.17	-47.57	681.75	0.930	Level 1	
20,300.00	7,875.00	20,348.94	7,950.00	345.30	345.90	-96.72	-88.77	-13,245.40	634.17	-52.91	687.08	0.923	Level 1	
20,400.00	7,875.00	20,448.94	7,950.00	347.99	348.58	-96.72	-88.79	-13,345.40	634.17	-58.24	692.41	0.916	Level 1	
20,500.00	7,875.00	20,548.94	7,950.00	350.67	351.26	-96.72	-88.80	-13,445.40	634.17	-63.57	697.75	0.909	Level 1	
20,600.00	7,875.00	20,648.94	7,950.00	353.35	353.94	-96.72	-88.82	-13,545.40	634.17	-68.91	703.08	0.902	Level 1	
20,700.00	7,875.00	20,748.94	7,950.00	356.04	356.63	-96.72	-88.83	-13,645.40	634.17	-74.24	708.41	0.895	Level 1	
20,800.00	7,875.00	20,848.94	7,950.00	358.72	359.31	-96.72	-88.84	-13,745.40	634.17	-79.57	713.75	0.889	Level 1	
20,900.00	7,875.00	20,948.94	7,950.00	361.41	361.99	-96.72	-88.86	-13,845.40	634.17	-84.91	719.08	0.882	Level 1	
21,000.00	7,875.00	21,048.94	7,950.00	364.09	364.67	-96.72	-88.87	-13,945.40	634.17	-90.24	724.42	0.875	Level 1	

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 1CH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG, 2122-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor	Warning	
21,100.00	7,875.00	21,148.94	7,950.00	366.78	367.35	-96.72	-88.89	-14,045.40	634.17	-95.58	729.75	0.869	Level 1	
21,200.00	7,875.00	21,248.94	7,950.00	369.46	370.04	-96.72	-88.90	-14,145.40	634.17	-100.91	735.09	0.863	Level 1	
21,300.00	7,875.00	21,348.94	7,950.00	372.15	372.72	-96.72	-88.92	-14,245.40	634.17	-106.25	740.42	0.857	Level 1	
21,400.00	7,875.00	21,448.94	7,950.00	374.83	375.40	-96.72	-88.93	-14,345.40	634.17	-111.58	745.76	0.850	Level 1	
21,500.00	7,875.00	21,548.94	7,950.00	377.52	378.08	-96.72	-88.95	-14,445.40	634.17	-116.92	751.09	0.844	Level 1	
21,600.00	7,875.00	21,648.94	7,950.00	380.20	380.77	-96.72	-88.96	-14,545.40	634.17	-122.25	756.43	0.838	Level 1	
21,700.00	7,875.00	21,748.94	7,950.00	382.89	383.45	-96.72	-88.98	-14,645.40	634.17	-127.59	761.76	0.833	Level 1	
21,800.00	7,875.00	21,848.94	7,950.00	385.57	386.13	-96.72	-88.99	-14,745.40	634.17	-132.93	767.10	0.827	Level 1	
21,900.00	7,875.00	21,948.94	7,950.00	388.26	388.81	-96.72	-89.00	-14,845.40	634.17	-138.26	772.44	0.821	Level 1	
22,000.00	7,875.00	22,048.94	7,950.00	390.94	391.50	-96.72	-89.02	-14,945.40	634.17	-143.60	777.77	0.815	Level 1	
22,100.00	7,875.00	22,148.94	7,950.00	393.63	394.18	-96.72	-89.03	-15,045.40	634.17	-148.93	783.11	0.810	Level 1	
22,200.00	7,875.00	22,248.94	7,950.00	396.31	396.86	-96.72	-89.05	-15,145.40	634.17	-154.27	788.45	0.804	Level 1	
22,300.00	7,875.00	22,348.94	7,950.00	399.00	399.55	-96.72	-89.06	-15,245.40	634.17	-159.61	793.78	0.799	Level 1	
22,400.00	7,875.00	22,448.94	7,950.00	401.69	402.23	-96.72	-89.08	-15,345.40	634.17	-164.95	799.12	0.794	Level 1	
22,500.00	7,875.00	22,548.94	7,950.00	404.37	404.91	-96.72	-89.09	-15,445.40	634.17	-170.28	804.46	0.788	Level 1	
22,600.00	7,875.00	22,648.94	7,950.00	407.06	407.60	-96.72	-89.11	-15,545.40	634.17	-175.62	809.79	0.783	Level 1	
22,700.00	7,875.00	22,748.94	7,950.00	409.74	410.28	-96.72	-89.12	-15,645.40	634.17	-180.96	815.13	0.778	Level 1	
22,800.00	7,875.00	22,848.94	7,950.00	412.43	412.97	-96.72	-89.13	-15,745.40	634.17	-186.30	820.47	0.773	Level 1	
22,900.00	7,875.00	22,948.94	7,950.00	415.12	415.65	-96.72	-89.15	-15,845.40	634.17	-191.63	825.81	0.768	Level 1	
23,000.00	7,875.00	23,048.94	7,950.00	417.80	418.33	-96.72	-89.16	-15,945.40	634.17	-196.97	831.15	0.763	Level 1	
23,100.00	7,875.00	23,148.94	7,950.00	420.49	421.02	-96.72	-89.18	-16,045.40	634.17	-202.31	836.48	0.758	Level 1	
23,200.00	7,875.00	23,248.94	7,950.00	423.18	423.70	-96.72	-89.19	-16,145.40	634.17	-207.65	841.82	0.753	Level 1	
23,258.24	7,875.00	23,307.18	7,950.00	424.74	425.27	-96.72	-89.20	-16,203.64	634.17	-210.76	844.93	0.751	Level 1, ES, SF	

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 2AH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG, 2165-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.50	0.50	0.00	0.00	141.28	-19.31	15.48	24.74					
29.48	29.48	30.05	30.05	0.02	0.02	-45.85	-19.33	15.38	24.63	24.59	0.03	742.483		
60.08	60.08	60.76	60.76	0.12	0.12	-33.78	-19.31	15.15	24.37	24.12	0.24	99.770		
121.28	121.28	122.08	122.07	0.33	0.34	138.17	-19.07	14.59	24.08	23.40	0.67	35.752		
151.88	151.88	152.61	152.60	0.44	0.45	53.46	-18.90	14.27	23.76	22.87	0.89	26.736		
182.48	182.47	183.55	183.53	0.55	0.56	-61.89	-18.78	13.53	23.09	21.98	1.11	20.784		
213.08	213.07	213.65	213.62	0.65	0.67	-49.76	-18.64	13.08	22.65	21.33	1.32	17.157		
243.68	243.67	244.31	244.28	0.76	0.77	-95.54	-18.47	13.13	22.50	20.96	1.53	14.672		
286.38	286.37	286.92	286.90	0.91	0.92	-54.61	-18.32	13.15	22.28	20.45	1.83	12.143		
329.08	329.07	329.81	329.78	1.06	1.08	-66.21	-18.17	12.96	21.82	19.68	2.14	10.194		
371.78	371.77	372.83	372.80	1.22	1.23	-89.88	-17.77	12.24	20.96	18.52	2.45	8.564		
414.48	414.46	415.54	415.49	1.36	1.39	162.12	-17.23	11.14	20.19	17.45	2.75	7.347		
444.25	444.23	445.34	445.27	1.47	1.49	150.95	-16.85	10.29	20.03	17.07	2.96	6.772 CC		
457.18	457.15	458.27	458.20	1.51	1.54	149.90	-16.69	9.88	20.06	17.01	3.05	6.583 ES		
499.88	499.81	500.80	500.70	1.66	1.69	146.57	-16.38	8.42	20.64	17.29	3.35	6.164		
542.58	542.45	543.22	543.09	1.81	1.85	153.16	-16.48	6.73	22.07	18.41	3.65	6.043		
585.28	585.08	585.57	585.39	1.96	2.00	161.62	-17.02	4.79	24.35	20.39	3.95	6.157		
627.98	627.70	628.34	628.10	2.11	2.15	168.87	-17.57	2.67	26.96	22.70	4.26	6.332		
670.68	670.32	670.94	670.66	2.26	2.31	174.77	-17.88	0.77	29.87	25.31	4.56	6.546		
713.38	712.90	713.81	713.49	2.41	2.46	-177.38	-17.91	-0.86	33.08	28.21	4.87	6.795		
756.08	755.45	756.33	755.98	2.57	2.62	-176.05	-17.70	-2.76	36.59	31.42	5.18	7.071		
798.78	797.96	798.48	798.08	2.73	2.77	-170.30	-17.66	-4.75	40.78	35.29	5.48	7.438		
841.48	840.50	841.01	840.56	2.88	2.93	-162.10	-17.77	-6.78	44.69	38.91	5.79	7.724		
884.18	883.12	883.83	883.32	3.04	3.08	-158.34	-17.73	-9.03	47.59	41.49	6.09	7.812		
926.88	925.77	927.03	926.48	3.19	3.24	-156.46	-17.40	-10.94	49.51	43.11	6.40	7.735		
969.58	968.44	968.73	968.14	3.34	3.39	-158.44	-17.27	-12.59	51.13	44.43	6.70	7.630		
1,012.28	1,011.13	1,011.71	1,011.09	3.50	3.55	-158.12	-17.45	-14.26	52.58	45.57	7.01	7.502		
1,054.98	1,053.83	1,054.35	1,053.70	3.65	3.70	-146.28	-17.51	-15.80	53.47	46.15	7.31	7.310		
1,097.68	1,096.53	1,096.81	1,096.12	3.80	3.86	-62.96	-17.62	-17.51	54.19	46.57	7.62	7.114		
1,140.38	1,139.23	1,139.51	1,138.79	3.94	4.01	-10.42	-17.82	-19.22	54.70	46.78	7.92	6.908		
1,183.08	1,181.92	1,182.22	1,181.47	4.09	4.17	-25.82	-17.98	-20.94	55.08	46.86	8.22	6.702		
1,225.78	1,224.62	1,224.89	1,224.10	4.23	4.32	-35.53	-18.05	-22.85	55.51	46.99	8.52	6.514		
1,268.48	1,267.32	1,268.04	1,267.22	4.38	4.48	0.75	-18.03	-24.55	55.64	46.82	8.82	6.305		
1,311.18	1,310.01	1,310.71	1,309.86	4.53	4.64	2.72	-18.01	-25.77	55.40	46.28	9.12	6.072		
1,353.88	1,352.71	1,353.74	1,352.88	4.67	4.79	0.71	-17.98	-26.72	54.99	45.56	9.43	5.834		
1,396.58	1,395.40	1,396.32	1,395.45	4.82	4.94	-0.25	-17.91	-27.56	54.44	44.71	9.73	5.597		
1,439.28	1,438.09	1,438.89	1,438.01	4.96	5.10	4.62	-17.89	-28.48	53.92	43.90	10.03	5.379		
1,481.98	1,480.78	1,481.93	1,481.04	5.11	5.25	1.70	-17.76	-29.42	53.25	42.92	10.33	5.156		
1,524.68	1,523.46	1,524.45	1,523.56	5.26	5.41	1.44	-17.52	-30.38	52.33	41.71	10.63	4.924		
1,567.38	1,566.14	1,567.01	1,566.10	5.41	5.56	2.59	-17.41	-31.35	51.46	40.53	10.93	4.709		
1,610.08	1,608.83	1,609.80	1,608.87	5.56	5.71	16.14	-17.28	-32.36	50.82	39.59	11.23	4.525		
1,652.78	1,651.52	1,652.99	1,652.06	5.70	5.87	41.73	-17.09	-33.00	50.40	38.86	11.53	4.370		
1,695.48	1,694.22	1,695.62	1,694.69	5.85	6.02	47.69	-17.00	-33.14	50.05	38.22	11.83	4.230		
1,738.18	1,736.92	1,738.27	1,737.34	6.00	6.17	61.63	-16.98	-33.24	49.77	37.64	12.13	4.103		
1,780.88	1,779.61	1,780.97	1,780.04	6.15	6.32	58.75	-16.96	-33.38	49.55	37.12	12.43	3.986		
1,823.58	1,822.31	1,823.49	1,822.56	6.30	6.47	51.87	-17.02	-33.53	49.36	36.63	12.73	3.878		
1,866.28	1,865.00	1,866.29	1,865.36	6.45	6.62	48.02	-17.24	-33.52	49.08	36.06	13.02	3.769		
1,908.98	1,907.69	1,909.05	1,908.12	6.59	6.76	51.49	-17.50	-33.34	48.66	35.35	13.31	3.656		
1,951.68	1,950.39	1,951.54	1,950.61	6.74	6.90	53.18	-17.70	-33.32	48.30	34.70	13.60	3.550		
1,994.38	1,993.08	1,994.27	1,993.34	6.89	7.04	53.40	-18.03	-33.26	47.98	34.08	13.90	3.452		
2,037.08	2,035.77	2,036.69	2,035.75	7.04	7.19	51.73	-18.55	-33.14	47.73	33.54	14.19	3.364		
2,079.78	2,078.46	2,079.51	2,078.57	7.19	7.33	58.51	-19.22	-32.94	47.60	33.11	14.48	3.287		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 2AH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG, 2165-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
2,122.48	2,121.15	2,122.14	2,121.19	7.34	7.47	54.58	-19.94	-32.63	47.48	32.71	14.77	3.214		
2,165.18	2,163.84	2,164.84	2,163.88	7.49	7.62	53.21	-20.60	-32.46	47.41	32.35	15.07	3.147		
2,200.00	2,198.65	2,200.34	2,198.70	7.55	7.74	53.37	-21.11	-32.36	47.36	32.11	15.25	3.105		
2,220.18	2,218.83	2,219.84	2,218.88	7.55	7.80	53.46	-21.40	-32.30	47.33	32.01	15.32	3.090		
2,225.08	2,223.72	2,224.66	2,223.70	7.55	7.82	50.26	-21.47	-32.29	47.32	31.99	15.33	3.086		
2,300.00	2,298.64	2,298.37	2,297.38	7.56	8.08	-52.23	-23.23	-32.89	48.31	32.71	15.59	3.098		
2,400.00	2,398.59	2,396.52	2,395.39	7.59	8.43	-83.40	-27.53	-35.88	52.81	36.87	15.95	3.312		
2,500.00	2,498.36	2,494.16	2,492.66	7.64	8.78	-93.71	-34.00	-41.36	61.34	45.03	16.31	3.761		
2,600.00	2,597.86	2,591.00	2,588.78	7.71	9.15	-101.07	-42.57	-49.25	74.28	57.60	16.69	4.451		
2,700.00	2,696.94	2,686.74	2,683.39	7.79	9.52	-106.75	-53.16	-59.44	91.81	74.72	17.09	5.373		
2,730.19	2,726.76	2,715.67	2,711.88	7.83	9.63	-108.20	-56.76	-62.98	97.99	80.77	17.22	5.690		
2,800.00	2,795.64	2,783.74	2,778.88	7.91	9.90	-110.85	-65.32	-71.41	112.72	95.15	17.57	6.416		
2,900.00	2,894.31	2,881.25	2,874.86	8.05	10.29	-113.62	-77.59	-83.49	134.11	116.03	18.08	7.417		
3,000.00	2,992.99	2,978.76	2,970.84	8.22	10.69	-115.63	-89.86	-95.56	155.72	137.10	18.62	8.365		
3,100.00	3,091.66	3,076.28	3,066.81	8.40	11.09	-117.15	-102.13	-107.64	177.47	158.30	19.17	9.258		
3,200.00	3,190.34	3,173.79	3,162.79	8.61	11.50	-118.34	-114.40	-119.72	199.31	179.57	19.74	10.096		
3,300.00	3,289.01	3,271.30	3,258.77	8.83	11.91	-119.30	-126.67	-131.80	221.21	200.88	20.33	10.880		
3,400.00	3,387.69	3,368.81	3,354.75	9.07	12.32	-120.08	-138.94	-143.87	243.17	222.23	20.94	11.613		
3,500.00	3,486.36	3,466.32	3,450.73	9.33	12.74	-120.73	-151.21	-155.95	265.16	243.60	21.56	12.297		
3,600.00	3,585.03	3,563.83	3,546.71	9.60	13.16	-121.28	-163.48	-168.03	287.18	264.98	22.20	12.936		
3,700.00	3,683.71	3,661.34	3,642.69	9.88	13.58	-121.76	-175.74	-180.10	309.22	286.37	22.85	13.533		
3,800.00	3,782.38	3,758.85	3,738.67	10.18	14.01	-122.17	-188.01	-192.18	331.28	307.77	23.51	14.090		
3,900.00	3,881.06	3,856.36	3,834.65	10.48	14.43	-122.53	-200.28	-204.26	353.35	329.16	24.19	14.610		
4,000.00	3,979.73	3,953.88	3,930.63	10.80	14.86	-122.84	-212.55	-216.34	375.43	350.56	24.87	15.096		
4,100.00	4,078.41	4,051.39	4,026.61	11.13	15.29	-123.12	-224.82	-228.41	397.53	371.96	25.56	15.551		
4,200.00	4,177.08	4,148.90	4,122.59	11.46	15.73	-123.38	-237.09	-240.49	419.63	393.36	26.27	15.977		
4,300.00	4,275.76	4,246.41	4,218.57	11.80	16.16	-123.60	-249.36	-252.57	441.74	414.76	26.98	16.375		
4,400.00	4,374.43	4,343.92	4,314.55	12.15	16.59	-123.81	-261.63	-264.64	463.85	436.16	27.69	16.749		
4,500.00	4,473.10	4,441.43	4,410.53	12.51	17.03	-124.00	-273.90	-276.72	485.97	457.55	28.42	17.100		
4,600.00	4,571.78	4,538.94	4,506.51	12.87	17.47	-124.17	-286.17	-288.80	508.10	478.95	29.15	17.430		
4,700.00	4,670.45	4,636.45	4,602.49	13.23	17.91	-124.32	-298.44	-300.87	530.22	500.34	29.89	17.741		
4,800.00	4,769.13	4,733.97	4,698.47	13.60	18.35	-124.47	-310.71	-312.95	552.36	521.73	30.63	18.033		
4,900.00	4,867.80	4,831.48	4,794.44	13.98	18.79	-124.60	-322.97	-325.03	574.49	543.11	31.38	18.309		
5,000.00	4,966.48	4,928.99	4,890.42	14.36	19.23	-124.72	-335.24	-337.11	596.63	564.50	32.13	18.569		
5,100.00	5,065.15	5,026.50	4,986.40	14.75	19.67	-124.84	-347.51	-349.18	618.77	585.88	32.89	18.814		
5,200.00	5,163.82	5,124.01	5,082.38	15.13	20.11	-124.94	-359.78	-361.26	640.91	607.26	33.65	19.047		
5,300.00	5,262.50	5,221.52	5,178.36	15.52	20.56	-125.04	-372.05	-373.34	663.05	628.64	34.41	19.267		
5,400.00	5,361.17	5,319.03	5,274.34	15.92	21.00	-125.13	-384.32	-385.41	685.20	650.02	35.18	19.476		
5,500.00	5,459.85	5,416.54	5,370.32	16.32	21.45	-125.22	-396.59	-397.49	707.35	671.39	35.95	19.674		
5,600.00	5,558.52	5,514.06	5,466.30	16.71	21.89	-125.30	-408.86	-409.57	729.50	692.77	36.73	19.862		
5,700.00	5,657.20	5,611.57	5,562.28	17.12	22.34	-125.38	-421.13	-421.64	751.65	714.14	37.51	20.041		
5,800.00	5,755.87	5,709.08	5,658.26	17.52	22.79	-125.45	-433.40	-433.72	773.80	735.51	38.29	20.211		
5,900.00	5,854.54	5,806.59	5,754.24	17.93	23.23	-125.52	-445.67	-445.80	795.95	756.88	39.07	20.373		
6,000.00	5,953.22	5,904.10	5,850.22	18.34	23.68	-125.58	-457.94	-457.88	818.10	778.25	39.85	20.527		
6,100.00	6,051.89	6,001.61	5,946.20	18.75	24.13	-125.65	-470.20	-469.95	840.26	799.62	40.64	20.675		
6,200.00	6,150.57	6,100.88	6,042.18	19.16	24.59	-125.70	-482.47	-482.03	862.41	820.97	41.44	20.812		
6,300.00	6,249.24	6,196.63	6,138.16	19.57	25.03	-125.76	-494.74	-494.11	884.57	842.35	42.22	20.950		
6,400.00	6,347.92	6,305.85	6,234.14	19.99	25.53	-125.81	-507.01	-506.18	906.73	863.66	43.06	21.055		
6,500.00	6,446.59	6,408.34	6,330.12	20.41	26.00	-125.86	-519.28	-518.26	928.88	885.00	43.88	21.169		
6,600.00	6,545.26	6,489.17	6,426.09	20.82	26.38	-125.91	-531.55	-530.34	951.04	906.43	44.61	21.320		
6,700.00	6,643.94	6,586.68	6,522.07	21.24	26.83	-125.95	-543.82	-542.42	973.20	927.79	45.41	21.434		
6,800.00	6,742.61	6,684.19	6,618.05	21.66	27.28	-126.00	-556.09	-554.49	995.36	949.15	46.21	21.542		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 2AH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG, 2165-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
6,900.00	6,841.29	6,781.70	6,714.03	22.09	27.73	-126.04	-568.36	-566.57	1,017.52	970.51	47.01	21.646		
7,000.00	6,939.96	6,879.21	6,810.01	22.51	28.18	-126.08	-580.63	-578.65	1,039.68	991.87	47.81	21.747		
7,100.00	7,038.64	6,976.72	6,905.99	22.93	28.63	-126.12	-592.90	-590.72	1,061.84	1,013.23	48.61	21.843		
7,200.00	7,137.31	7,074.24	7,001.97	23.36	29.08	-126.15	-605.17	-602.80	1,084.00	1,034.58	49.42	21.936		
7,300.00	7,235.99	7,171.75	7,097.95	23.78	29.53	-126.19	-617.43	-614.88	1,106.16	1,055.94	50.22	22.025		
7,400.00	7,334.66	7,269.26	7,193.93	24.21	29.99	-126.22	-629.70	-626.95	1,128.33	1,077.29	51.03	22.111		
7,444.84	7,378.91	7,312.98	7,236.97	24.40	30.19	-126.24	-635.21	-632.37	1,138.26	1,086.87	51.39	22.148		
7,450.00	7,383.99	7,318.01	7,241.92	24.42	30.21	-124.31	-635.84	-632.99	1,139.41	1,087.97	51.44	22.152		
7,500.00	7,432.91	7,366.68	7,289.82	24.66	30.44	-111.66	-641.96	-639.02	1,150.43	1,098.57	51.86	22.183		
7,550.00	7,480.84	7,414.92	7,337.31	24.93	30.66	-104.92	-648.03	-645.00	1,161.33	1,109.01	52.32	22.195		
7,600.00	7,527.44	7,462.87	7,384.50	25.23	30.89	-100.85	-654.06	-650.98	1,172.10	1,119.28	52.82	22.189		
7,650.00	7,572.35	7,513.95	7,434.31	25.57	31.14	-98.13	-660.43	-660.22	1,182.67	1,129.26	53.41	22.144		
7,700.00	7,615.21	7,566.47	7,484.47	25.94	31.43	-96.16	-666.84	-674.34	1,192.92	1,138.85	54.07	22.062		
7,750.00	7,655.72	7,620.53	7,534.53	26.35	31.76	-94.66	-673.25	-693.65	1,202.75	1,147.94	54.82	21.942		
7,800.00	7,693.55	7,676.24	7,584.00	26.80	32.12	-93.50	-679.57	-718.43	1,212.09	1,156.44	55.65	21.780		
7,850.00	7,728.43	7,733.69	7,632.26	27.29	32.52	-92.58	-685.75	-748.93	1,220.84	1,164.26	56.58	21.578		
7,900.00	7,760.08	7,792.92	7,678.60	27.82	32.97	-91.86	-691.67	-785.31	1,228.91	1,171.31	57.61	21.333		
7,950.00	7,788.27	7,853.97	7,722.19	28.40	33.48	-91.29	-697.25	-827.64	1,236.22	1,177.47	58.75	21.043		
8,000.00	7,812.78	7,916.80	7,762.13	29.02	34.04	-90.84	-702.36	-875.83	1,242.67	1,182.67	60.01	20.709		
8,050.00	7,833.42	7,981.31	7,797.44	29.69	34.67	-90.51	-706.88	-929.60	1,248.19	1,186.80	61.38	20.334		
8,100.00	7,850.04	8,047.36	7,827.15	30.41	35.38	-90.27	-710.69	-988.42	1,252.69	1,189.80	62.88	19.921		
8,150.00	7,862.51	8,114.70	7,850.32	31.16	36.15	-90.10	-713.66	-1,051.53	1,256.11	1,191.60	64.51	19.471		
8,200.00	7,870.73	8,183.03	7,866.17	31.94	37.00	-90.01	-715.70	-1,117.93	1,258.40	1,192.15	66.24	18.997		
8,250.00	7,874.65	8,252.01	7,874.11	32.75	37.91	-89.97	-716.72	-1,186.40	1,259.52	1,191.46	68.06	18.506		
8,270.17	7,875.00	8,279.93	7,874.98	33.09	38.29	-89.98	-716.84	-1,214.30	1,259.63	1,190.82	68.81	18.306		
8,300.00	7,875.00	8,310.94	7,875.00	33.59	38.73	-89.98	-716.84	-1,245.31	1,259.63	1,189.83	69.80	18.046		
8,400.00	7,875.00	8,410.94	7,875.00	35.34	40.21	-89.98	-716.86	-1,345.31	1,259.63	1,186.42	73.22	17.204		
8,500.00	7,875.00	8,510.94	7,875.00	37.22	41.81	-89.98	-716.87	-1,445.31	1,259.63	1,182.78	76.86	16.389		
8,600.00	7,875.00	8,610.94	7,875.00	39.18	43.53	-89.98	-716.89	-1,545.31	1,259.63	1,178.94	80.69	15.610		
8,700.00	7,875.00	8,710.94	7,875.00	41.23	45.34	-89.98	-716.90	-1,645.31	1,259.63	1,174.94	84.69	14.873		
8,800.00	7,875.00	8,810.94	7,875.00	43.36	47.25	-89.98	-716.92	-1,745.31	1,259.63	1,170.79	88.84	14.179		
8,900.00	7,875.00	8,910.94	7,875.00	45.54	49.22	-89.98	-716.93	-1,845.31	1,259.63	1,166.52	93.11	13.528		
9,000.00	7,875.00	9,010.94	7,875.00	47.77	51.27	-89.98	-716.95	-1,945.31	1,259.63	1,162.14	97.50	12.920		
9,100.00	7,875.00	9,110.94	7,875.00	50.06	53.38	-89.98	-716.96	-2,045.31	1,259.63	1,157.66	101.97	12.353		
9,200.00	7,875.00	9,210.94	7,875.00	52.38	55.53	-89.98	-716.97	-2,145.31	1,259.63	1,153.10	106.53	11.824		
9,300.00	7,875.00	9,310.94	7,875.00	54.73	57.74	-89.98	-716.99	-2,245.31	1,259.63	1,148.47	111.17	11.331		
9,400.00	7,875.00	9,410.94	7,875.00	57.12	59.98	-89.98	-717.00	-2,345.31	1,259.63	1,143.77	115.87	10.871		
9,500.00	7,875.00	9,510.94	7,875.00	59.53	62.27	-89.98	-717.02	-2,445.31	1,259.63	1,139.01	120.62	10.443		
9,600.00	7,875.00	9,610.94	7,875.00	61.96	64.58	-89.98	-717.03	-2,545.31	1,259.63	1,134.21	125.43	10.043		
9,700.00	7,875.00	9,710.94	7,875.00	64.42	66.92	-89.98	-717.05	-2,645.31	1,259.63	1,129.36	130.28	9.669		
9,800.00	7,875.00	9,810.94	7,875.00	66.89	69.29	-89.98	-717.06	-2,745.31	1,259.63	1,124.46	135.17	9.319		
9,900.00	7,875.00	9,910.94	7,875.00	69.38	71.68	-89.98	-717.08	-2,845.31	1,259.63	1,119.54	140.10	8.991		
10,000.00	7,875.00	10,010.94	7,875.00	71.89	74.10	-89.98	-717.09	-2,945.31	1,259.63	1,114.58	145.06	8.684		
10,100.00	7,875.00	10,110.94	7,875.00	74.41	76.53	-89.98	-717.11	-3,045.31	1,259.63	1,109.59	150.04	8.395		
10,200.00	7,875.00	10,210.94	7,875.00	76.94	78.98	-89.98	-717.12	-3,145.31	1,259.63	1,104.58	155.06	8.124		
10,300.00	7,875.00	10,310.94	7,875.00	79.48	81.44	-89.98	-717.13	-3,245.31	1,259.63	1,099.54	160.10	7.868		
10,400.00	7,875.00	10,410.94	7,875.00	82.03	83.92	-89.98	-717.15	-3,345.31	1,259.63	1,094.48	165.16	7.627		
10,500.00	7,875.00	10,510.94	7,875.00	84.59	86.42	-89.98	-717.16	-3,445.31	1,259.63	1,089.40	170.24	7.399		
10,600.00	7,875.00	10,610.94	7,875.00	87.16	88.92	-89.98	-717.18	-3,545.31	1,259.63	1,084.30	175.33	7.184		
10,700.00	7,875.00	10,710.94	7,875.00	89.73	91.44	-89.98	-717.19	-3,645.31	1,259.63	1,079.19	180.45	6.981		
10,800.00	7,875.00	10,810.94	7,875.00	92.31	93.96	-89.98	-717.21	-3,745.31	1,259.63	1,074.06	185.58	6.788		
10,900.00	7,875.00	10,910.94	7,875.00	94.90	96.49	-89.98	-717.22	-3,845.31	1,259.63	1,068.91	190.72	6.605		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 2AH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG, 2165-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
11,000.00	7,875.00	11,010.94	7,875.00	97.49	99.04	-89.98	-717.24	-3,945.31	1,259.63	1,063.76	195.88	6.431		
11,100.00	7,875.00	11,110.94	7,875.00	100.09	101.59	-89.98	-717.25	-4,045.31	1,259.63	1,058.59	201.05	6.265		
11,200.00	7,875.00	11,210.94	7,875.00	102.69	104.14	-89.98	-717.27	-4,145.31	1,259.63	1,053.41	206.22	6.108		
11,300.00	7,875.00	11,310.94	7,875.00	105.30	106.71	-89.98	-717.28	-4,245.31	1,259.63	1,048.22	211.41	5.958		
11,400.00	7,875.00	11,410.94	7,875.00	107.91	109.28	-89.98	-717.29	-4,345.31	1,259.63	1,043.02	216.61	5.815		
11,500.00	7,875.00	11,510.94	7,875.00	110.53	111.85	-89.98	-717.31	-4,445.31	1,259.63	1,037.82	221.82	5.679		
11,600.00	7,875.00	11,610.94	7,875.00	113.15	114.44	-89.98	-717.32	-4,545.31	1,259.63	1,032.60	227.03	5.548		
11,700.00	7,875.00	11,710.94	7,875.00	115.77	117.02	-89.98	-717.34	-4,645.31	1,259.63	1,027.38	232.26	5.423		
11,800.00	7,875.00	11,810.94	7,875.00	118.40	119.61	-89.98	-717.35	-4,745.31	1,259.63	1,022.15	237.49	5.304		
11,900.00	7,875.00	11,910.94	7,875.00	121.03	122.21	-89.98	-717.37	-4,845.31	1,259.63	1,016.91	242.72	5.190		
12,000.00	7,875.00	12,010.94	7,875.00	123.66	124.81	-89.98	-717.38	-4,945.31	1,259.63	1,011.67	247.97	5.080		
12,100.00	7,875.00	12,110.94	7,875.00	126.29	127.41	-89.98	-717.40	-5,045.31	1,259.63	1,006.42	253.22	4.975		
12,200.00	7,875.00	12,210.94	7,875.00	128.93	130.02	-89.98	-717.41	-5,145.31	1,259.63	1,001.16	258.47	4.873		
12,300.00	7,875.00	12,310.94	7,875.00	131.57	132.63	-89.98	-717.43	-5,245.31	1,259.63	995.90	263.73	4.776		
12,400.00	7,875.00	12,410.94	7,875.00	134.21	135.24	-89.98	-717.44	-5,345.31	1,259.63	990.64	269.00	4.683		
12,500.00	7,875.00	12,510.94	7,875.00	136.85	137.86	-89.98	-717.45	-5,445.31	1,259.63	985.37	274.26	4.593		
12,600.00	7,875.00	12,610.94	7,875.00	139.49	140.48	-89.98	-717.47	-5,545.31	1,259.63	980.10	279.54	4.506		
12,700.00	7,875.00	12,710.94	7,875.00	142.14	143.10	-89.98	-717.48	-5,645.31	1,259.63	974.82	284.82	4.423		
12,800.00	7,875.00	12,810.94	7,875.00	144.79	145.73	-89.98	-717.50	-5,745.31	1,259.63	969.54	290.10	4.342		
12,900.00	7,875.00	12,910.94	7,875.00	147.44	148.35	-89.98	-717.51	-5,845.31	1,259.63	964.25	295.38	4.264		
13,000.00	7,875.00	13,010.94	7,875.00	150.09	150.98	-89.98	-717.53	-5,945.31	1,259.63	958.96	300.67	4.189		
13,100.00	7,875.00	13,110.94	7,875.00	152.74	153.61	-89.98	-717.54	-6,045.31	1,259.63	953.67	305.96	4.117		
13,200.00	7,875.00	13,210.94	7,875.00	155.39	156.25	-89.98	-717.56	-6,145.31	1,259.63	948.38	311.26	4.047		
13,300.00	7,875.00	13,310.94	7,875.00	158.05	158.88	-89.98	-717.57	-6,245.31	1,259.63	943.08	316.55	3.979		
13,400.00	7,875.00	13,410.94	7,875.00	160.70	161.52	-89.98	-717.59	-6,345.31	1,259.63	937.78	321.85	3.914		
13,500.00	7,875.00	13,510.94	7,875.00	163.36	164.16	-89.98	-717.60	-6,445.31	1,259.63	932.48	327.16	3.850		
13,600.00	7,875.00	13,610.94	7,875.00	166.02	166.80	-89.98	-717.61	-6,545.31	1,259.63	927.17	332.46	3.789		
13,700.00	7,875.00	13,710.94	7,875.00	168.68	169.44	-89.98	-717.63	-6,645.31	1,259.63	921.86	337.77	3.729		
13,800.00	7,875.00	13,810.94	7,875.00	171.34	172.09	-89.98	-717.64	-6,745.31	1,259.63	916.55	343.08	3.672		
13,900.00	7,875.00	13,910.94	7,875.00	174.00	174.73	-89.98	-717.66	-6,845.31	1,259.63	911.24	348.40	3.616		
14,000.00	7,875.00	14,010.94	7,875.00	176.66	177.38	-89.98	-717.67	-6,945.31	1,259.63	905.92	353.71	3.561		
14,100.00	7,875.00	14,110.94	7,875.00	179.33	180.03	-89.98	-717.69	-7,045.31	1,259.63	900.61	359.03	3.508		
14,200.00	7,875.00	14,210.94	7,875.00	181.99	182.68	-89.98	-717.70	-7,145.31	1,259.63	895.29	364.35	3.457		
14,300.00	7,875.00	14,310.94	7,875.00	184.66	185.33	-89.98	-717.72	-7,245.31	1,259.63	889.97	369.67	3.407		
14,400.00	7,875.00	14,410.94	7,875.00	187.32	187.98	-89.98	-717.73	-7,345.31	1,259.63	884.65	374.99	3.359		
14,500.00	7,875.00	14,510.94	7,875.00	189.99	190.63	-89.98	-717.75	-7,445.31	1,259.63	879.32	380.31	3.312		
14,600.00	7,875.00	14,610.94	7,875.00	192.66	193.29	-89.98	-717.76	-7,545.31	1,259.64	874.00	385.64	3.266		
14,700.00	7,875.00	14,710.94	7,875.00	195.32	195.94	-89.98	-717.77	-7,645.31	1,259.64	868.67	390.97	3.222		
14,800.00	7,875.00	14,810.94	7,875.00	197.99	198.60	-89.98	-717.79	-7,745.31	1,259.64	863.34	396.30	3.179		
14,900.00	7,875.00	14,910.94	7,875.00	200.66	201.26	-89.98	-717.80	-7,845.31	1,259.64	858.01	401.63	3.136		
15,000.00	7,875.00	15,010.94	7,875.00	203.33	203.91	-89.98	-717.82	-7,945.31	1,259.64	852.68	406.96	3.095		
15,100.00	7,875.00	15,110.94	7,875.00	206.00	206.57	-89.98	-717.83	-8,045.31	1,259.64	847.35	412.29	3.055		
15,200.00	7,875.00	15,210.94	7,875.00	208.67	209.23	-89.98	-717.85	-8,145.31	1,259.64	842.01	417.62	3.016		
15,300.00	7,875.00	15,310.94	7,875.00	211.34	211.89	-89.98	-717.86	-8,245.31	1,259.64	836.68	422.96	2.978		
15,400.00	7,875.00	15,410.94	7,875.00	214.01	214.55	-89.98	-717.88	-8,345.31	1,259.64	831.34	428.30	2.941		
15,500.00	7,875.00	15,510.94	7,875.00	216.69	217.22	-89.98	-717.89	-8,445.31	1,259.64	826.00	433.63	2.905		
15,600.00	7,875.00	15,610.94	7,875.00	219.36	219.88	-89.98	-717.91	-8,545.31	1,259.64	820.66	438.97	2.870		
15,700.00	7,875.00	15,710.94	7,875.00	222.03	222.54	-89.98	-717.92	-8,645.31	1,259.64	815.32	444.31	2.835		
15,800.00	7,875.00	15,810.94	7,875.00	224.71	225.21	-89.98	-717.93	-8,745.31	1,259.64	809.98	449.65	2.801		
15,900.00	7,875.00	15,910.94	7,875.00	227.38	227.87	-89.98	-717.95	-8,845.31	1,259.64	804.64	455.00	2.768		
16,000.00	7,875.00	16,010.94	7,875.00	230.05	230.54	-89.98	-717.96	-8,945.31	1,259.64	799.30	460.34	2.736		
16,100.00	7,875.00	16,110.94	7,875.00	232.73	233.20	-89.98	-717.98	-9,045.31	1,259.64	793.95	465.68	2.705		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 2AH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG, 2165-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
16,200.00	7,875.00	16,210.94	7,875.00	235.40	235.87	-89.98	-717.99	-9,145.31	1,259.64	788.61	471.03	2.674		
16,300.00	7,875.00	16,310.94	7,875.00	238.08	238.54	-89.98	-718.01	-9,245.31	1,259.64	783.26	476.37	2.644		
16,400.00	7,875.00	16,410.94	7,875.00	240.76	241.20	-89.98	-718.02	-9,345.31	1,259.64	777.92	481.72	2.615		
16,500.00	7,875.00	16,510.94	7,875.00	243.43	243.87	-89.98	-718.04	-9,445.31	1,259.64	772.57	487.07	2.586		
16,600.00	7,875.00	16,610.94	7,875.00	246.11	246.54	-89.98	-718.05	-9,545.31	1,259.64	767.22	492.41	2.558		
16,700.00	7,875.00	16,710.94	7,875.00	248.78	249.21	-89.98	-718.07	-9,645.31	1,259.64	761.87	497.76	2.531		
16,800.00	7,875.00	16,810.94	7,875.00	251.46	251.88	-89.98	-718.08	-9,745.31	1,259.64	756.52	503.11	2.504		
16,900.00	7,875.00	16,910.94	7,875.00	254.14	254.55	-89.98	-718.09	-9,845.31	1,259.64	751.17	508.46	2.477		
17,000.00	7,875.00	17,010.94	7,875.00	256.82	257.22	-89.98	-718.11	-9,945.31	1,259.64	745.82	513.81	2.452		
17,100.00	7,875.00	17,110.94	7,875.00	259.50	259.89	-89.98	-718.12	-10,045.31	1,259.64	740.47	519.16	2.426		
17,200.00	7,875.00	17,210.94	7,875.00	262.17	262.56	-89.98	-718.14	-10,145.31	1,259.64	735.12	524.52	2.402		
17,300.00	7,875.00	17,310.94	7,875.00	264.85	265.23	-89.98	-718.15	-10,245.31	1,259.64	729.77	529.87	2.377		
17,400.00	7,875.00	17,410.94	7,875.00	267.53	267.91	-89.98	-718.17	-10,345.31	1,259.64	724.41	535.22	2.353		
17,500.00	7,875.00	17,510.94	7,875.00	270.21	270.58	-89.98	-718.18	-10,445.31	1,259.64	719.06	540.58	2.330		
17,600.00	7,875.00	17,610.94	7,875.00	272.89	273.25	-89.98	-718.20	-10,545.31	1,259.64	713.71	545.93	2.307		
17,700.00	7,875.00	17,710.94	7,875.00	275.57	275.92	-89.98	-718.21	-10,645.31	1,259.64	708.35	551.29	2.285		
17,800.00	7,875.00	17,810.94	7,875.00	278.25	278.60	-89.98	-718.23	-10,745.31	1,259.64	702.99	556.64	2.263		
17,900.00	7,875.00	17,910.94	7,875.00	280.93	281.27	-89.98	-718.24	-10,845.31	1,259.64	697.64	562.00	2.241		
18,000.00	7,875.00	18,010.94	7,875.00	283.61	283.95	-89.98	-718.25	-10,945.31	1,259.64	692.28	567.35	2.220		
18,100.00	7,875.00	18,110.94	7,875.00	286.29	286.62	-89.98	-718.27	-11,045.31	1,259.64	686.93	572.71	2.199		
18,200.00	7,875.00	18,210.94	7,875.00	288.97	289.30	-89.98	-718.28	-11,145.31	1,259.64	681.57	578.07	2.179		
18,300.00	7,875.00	18,310.94	7,875.00	291.65	291.97	-89.98	-718.30	-11,245.31	1,259.64	676.21	583.43	2.159		
18,400.00	7,875.00	18,410.94	7,875.00	294.33	294.65	-89.98	-718.31	-11,345.31	1,259.64	670.85	588.78	2.139		
18,500.00	7,875.00	18,510.94	7,875.00	297.01	297.32	-89.98	-718.33	-11,445.31	1,259.64	665.49	594.14	2.120		
18,600.00	7,875.00	18,610.94	7,875.00	299.69	300.00	-89.98	-718.34	-11,545.31	1,259.64	660.13	599.50	2.101		
18,700.00	7,875.00	18,710.94	7,875.00	302.38	302.67	-89.98	-718.36	-11,645.31	1,259.64	654.77	604.86	2.083		
18,800.00	7,875.00	18,810.94	7,875.00	305.06	305.35	-89.98	-718.37	-11,745.31	1,259.64	649.41	610.22	2.064		
18,900.00	7,875.00	18,910.94	7,875.00	307.74	308.03	-89.98	-718.39	-11,845.31	1,259.64	644.05	615.58	2.046		
19,000.00	7,875.00	19,010.94	7,875.00	310.42	310.70	-89.98	-718.40	-11,945.31	1,259.64	638.69	620.94	2.029		
19,100.00	7,875.00	19,110.94	7,875.00	313.10	313.38	-89.98	-718.41	-12,045.31	1,259.64	633.33	626.30	2.011		
19,200.00	7,875.00	19,210.94	7,875.00	315.79	316.06	-89.98	-718.43	-12,145.31	1,259.64	627.97	631.67	1.994		
19,300.00	7,875.00	19,310.94	7,875.00	318.47	318.74	-89.98	-718.44	-12,245.31	1,259.64	622.61	637.03	1.977		
19,400.00	7,875.00	19,410.94	7,875.00	321.15	321.42	-89.98	-718.46	-12,345.31	1,259.64	617.25	642.39	1.961		
19,500.00	7,875.00	19,510.94	7,875.00	323.83	324.09	-89.98	-718.47	-12,445.31	1,259.64	611.88	647.75	1.945		
19,600.00	7,875.00	19,610.94	7,875.00	326.52	326.77	-89.98	-718.49	-12,545.31	1,259.64	606.52	653.12	1.929		
19,700.00	7,875.00	19,710.94	7,875.00	329.20	329.45	-89.98	-718.50	-12,645.31	1,259.64	601.16	658.48	1.913		
19,800.00	7,875.00	19,810.94	7,875.00	331.88	332.13	-89.98	-718.52	-12,745.31	1,259.64	595.79	663.84	1.897		
19,900.00	7,875.00	19,910.94	7,875.00	334.57	334.81	-89.98	-718.53	-12,845.31	1,259.64	590.43	669.21	1.882		
20,000.00	7,875.00	20,010.94	7,875.00	337.25	337.49	-89.98	-718.55	-12,945.31	1,259.64	585.06	674.57	1.867		
20,100.00	7,875.00	20,110.94	7,875.00	339.93	340.17	-89.98	-718.56	-13,045.31	1,259.64	579.70	679.94	1.853		
20,200.00	7,875.00	20,210.94	7,875.00	342.62	342.85	-89.98	-718.57	-13,145.31	1,259.64	574.34	685.30	1.838		
20,300.00	7,875.00	20,310.94	7,875.00	345.30	345.53	-89.98	-718.59	-13,245.31	1,259.64	568.97	690.67	1.824		
20,400.00	7,875.00	20,410.94	7,875.00	347.99	348.21	-89.98	-718.60	-13,345.31	1,259.64	563.61	696.03	1.810		
20,500.00	7,875.00	20,510.94	7,875.00	350.67	350.89	-89.98	-718.62	-13,445.31	1,259.64	558.24	701.40	1.796		
20,600.00	7,875.00	20,610.94	7,875.00	353.35	353.57	-89.98	-718.63	-13,545.31	1,259.64	552.87	706.76	1.782		
20,700.00	7,875.00	20,710.94	7,875.00	356.04	356.25	-89.98	-718.65	-13,645.31	1,259.64	547.51	712.13	1.769		
20,800.00	7,875.00	20,810.94	7,875.00	358.72	358.93	-89.98	-718.66	-13,745.31	1,259.64	542.14	717.49	1.756		
20,900.00	7,875.00	20,910.94	7,875.00	361.41	361.61	-89.98	-718.68	-13,845.31	1,259.64	536.77	722.86	1.743		
21,000.00	7,875.00	21,010.94	7,875.00	364.09	364.29	-89.98	-718.69	-13,945.31	1,259.64	531.41	728.23	1.730		
21,100.00	7,875.00	21,110.94	7,875.00	366.78	366.97	-89.98	-718.71	-14,045.31	1,259.64	526.04	733.59	1.717		
21,200.00	7,875.00	21,210.94	7,875.00	369.46	369.65	-89.98	-718.72	-14,145.31	1,259.64	520.67	738.96	1.705		
21,300.00	7,875.00	21,310.94	7,875.00	372.15	372.34	-89.98	-718.73	-14,245.31	1,259.64	515.31	744.33	1.692		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 2AH - OWB - PROPOSAL 1												Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG, 2165-MWD OWSG												Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor	
21,400.00	7,875.00	21,410.94	7,875.00	374.83	375.02	-89.98	-718.75	-14,345.31	1,259.64	509.94	749.70	1.680	
21,500.00	7,875.00	21,510.94	7,875.00	377.52	377.70	-89.98	-718.76	-14,445.31	1,259.64	504.57	755.07	1.668	
21,600.00	7,875.00	21,610.94	7,875.00	380.20	380.38	-89.98	-718.78	-14,545.31	1,259.64	499.20	760.43	1.656	
21,700.00	7,875.00	21,710.94	7,875.00	382.89	383.06	-89.98	-718.79	-14,645.31	1,259.64	493.83	765.80	1.645	
21,800.00	7,875.00	21,810.94	7,875.00	385.57	385.74	-89.98	-718.81	-14,745.31	1,259.64	488.47	771.17	1.633	
21,900.00	7,875.00	21,910.94	7,875.00	388.26	388.43	-89.98	-718.82	-14,845.31	1,259.64	483.10	776.54	1.622	
22,000.00	7,875.00	22,010.94	7,875.00	390.94	391.11	-89.98	-718.84	-14,945.31	1,259.64	477.73	781.91	1.611	
22,100.00	7,875.00	22,110.94	7,875.00	393.63	393.79	-89.98	-718.85	-15,045.31	1,259.64	472.36	787.28	1.600	
22,200.00	7,875.00	22,210.94	7,875.00	396.31	396.47	-89.98	-718.87	-15,145.31	1,259.64	466.99	792.65	1.589	
22,300.00	7,875.00	22,310.94	7,875.00	399.00	399.16	-89.98	-718.88	-15,245.31	1,259.64	461.62	798.02	1.578	
22,400.00	7,875.00	22,410.94	7,875.00	401.69	401.84	-89.98	-718.89	-15,345.31	1,259.64	456.25	803.39	1.568	
22,500.00	7,875.00	22,510.94	7,875.00	404.37	404.52	-89.98	-718.91	-15,445.31	1,259.64	450.88	808.76	1.557	
22,600.00	7,875.00	22,610.94	7,875.00	407.06	407.21	-89.98	-718.92	-15,545.31	1,259.64	445.51	814.13	1.547	
22,700.00	7,875.00	22,710.94	7,875.00	409.74	409.89	-89.98	-718.94	-15,645.31	1,259.64	440.14	819.50	1.537	
22,800.00	7,875.00	22,810.94	7,875.00	412.43	412.57	-89.98	-718.95	-15,745.31	1,259.64	434.77	824.87	1.527	
22,900.00	7,875.00	22,910.94	7,875.00	415.12	415.26	-89.98	-718.97	-15,845.31	1,259.64	429.40	830.24	1.517	
23,000.00	7,875.00	23,010.94	7,875.00	417.80	417.94	-89.98	-718.98	-15,945.31	1,259.64	424.03	835.61	1.507	
23,100.00	7,875.00	23,110.94	7,875.00	420.49	420.62	-89.98	-719.00	-16,045.31	1,259.64	418.66	840.98	1.498 Level 3	
23,200.00	7,875.00	23,210.94	7,875.00	423.18	423.31	-89.98	-719.01	-16,145.31	1,259.64	413.29	846.35	1.488 Level 3	
23,258.24	7,875.00	23,269.17	7,875.00	424.74	424.87	-89.98	-719.02	-16,203.55	1,259.64	410.16	849.48	1.483 Level 3, SF	

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 2CH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG, 2165-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	1.40	1.40	0.00	0.00	141.63	-58.65	46.43	74.80					
29.48	29.48	30.92	30.92	0.02	0.02	-45.56	-58.66	46.41	74.72	74.69	0.03	2,384.903		
60.08	60.08	61.74	61.74	0.12	0.13	-33.70	-58.65	46.31	74.56	74.31	0.25	302.981		
121.28	121.28	123.28	123.28	0.33	0.35	137.42	-58.55	45.83	74.42	73.75	0.68	109.862		
140.77	140.77	142.86	142.85	0.40	0.42	76.92	-58.49	45.63	74.32	73.51	0.82	91.150		
151.88	151.88	154.02	154.01	0.44	0.46	51.98	-58.45	45.51	74.15	73.26	0.89	82.931		
182.48	182.47	184.62	184.62	0.55	0.57	-64.81	-58.33	45.17	73.69	72.58	1.11	66.290		
213.08	213.07	215.35	215.34	0.65	0.68	-53.13	-58.17	44.83	73.30	71.97	1.33	55.152		
243.68	243.67	245.83	245.82	0.76	0.78	-98.08	-58.03	44.47	72.94	71.39	1.55	47.191		
286.38	286.37	288.97	288.95	0.91	0.94	-56.04	-57.79	43.84	72.28	70.43	1.85	39.035		
329.08	329.07	331.74	331.72	1.06	1.09	-66.72	-57.47	43.09	71.35	69.19	2.16	33.069		
371.78	371.77	374.24	374.21	1.22	1.25	-90.05	-57.18	42.34	70.55	68.09	2.46	28.662		
403.91	403.90	406.12	406.09	1.33	1.36	172.66	-56.93	41.98	70.32	67.63	2.69	26.179 CC		
414.48	414.46	416.64	416.60	1.36	1.40	160.67	-56.83	41.93	70.34	67.58	2.76	25.488 ES		
457.18	457.15	459.48	459.44	1.51	1.55	144.99	-56.21	41.93	70.84	67.78	3.06	23.185		
499.88	499.81	502.22	502.17	1.66	1.69	136.19	-55.41	42.07	71.71	68.36	3.35	21.403		
542.58	542.45	544.88	544.83	1.81	1.84	136.19	-54.59	42.22	72.79	69.14	3.65	19.956		
585.28	585.08	586.91	586.84	1.96	1.99	138.12	-53.89	42.55	74.21	70.26	3.94	18.820		
627.98	627.70	629.29	629.22	2.11	2.13	139.71	-53.34	43.11	75.92	71.68	4.24	17.910		
670.68	670.32	671.98	671.90	2.26	2.28	141.56	-52.75	43.83	77.95	73.41	4.54	17.180		
713.38	712.90	714.52	714.43	2.41	2.43	146.92	-52.15	44.60	80.44	75.60	4.84	16.629		
756.08	755.45	757.41	757.31	2.57	2.58	146.08	-51.46	45.37	83.29	78.15	5.14	16.205		
798.78	797.96	800.04	799.92	2.73	2.73	150.22	-50.64	46.20	86.47	81.02	5.44	15.885		
841.48	840.50	842.63	842.48	2.88	2.88	157.05	-49.66	47.27	89.42	83.67	5.75	15.564		
884.18	883.12	885.47	885.29	3.04	3.03	158.80	-48.50	48.52	91.60	85.56	6.05	15.148		
926.88	925.77	927.58	927.36	3.19	3.18	158.63	-47.31	49.98	93.27	86.93	6.35	14.694		
969.58	968.44	970.18	969.91	3.34	3.33	154.56	-46.14	51.66	94.59	87.94	6.65	14.223		
1,012.28	1,011.13	1,011.70	1,011.37	3.50	3.48	152.56	-45.17	53.51	95.69	88.74	6.95	13.771		
1,054.98	1,053.83	1,053.65	1,053.27	3.65	3.62	161.94	-44.55	55.56	96.81	89.57	7.25	13.360		
1,097.68	1,096.53	1,095.97	1,095.55	3.80	3.77	-117.35	-44.23	57.58	97.96	90.42	7.54	12.984		
1,140.38	1,139.23	1,138.50	1,138.03	3.94	3.92	-67.43	-44.09	59.53	99.00	91.16	7.84	12.626		
1,183.08	1,181.92	1,181.53	1,181.03	4.09	4.07	-85.16	-44.27	61.03	99.97	91.83	8.14	12.284		
1,225.78	1,224.62	1,224.08	1,223.56	4.23	4.22	-96.87	-44.86	61.88	100.99	92.55	8.43	11.978		
1,268.48	1,267.32	1,267.04	1,266.51	4.38	4.37	-62.11	-45.91	62.17	101.84	93.12	8.72	11.674		
1,311.18	1,310.01	1,309.83	1,309.28	4.53	4.51	-61.08	-47.29	61.91	102.41	93.39	9.01	11.361		
1,353.88	1,352.71	1,352.34	1,351.76	4.67	4.65	-63.65	-48.86	61.44	102.97	93.67	9.30	11.068		
1,396.58	1,395.40	1,395.31	1,394.69	4.82	4.80	-65.06	-50.50	60.87	103.53	93.93	9.60	10.788		
1,439.28	1,438.09	1,437.53	1,436.88	4.96	4.94	-60.77	-52.12	60.35	104.07	94.19	9.89	10.527		
1,481.98	1,480.78	1,480.67	1,479.98	5.11	5.09	-64.33	-53.86	59.73	104.61	94.42	10.18	10.273		
1,524.68	1,523.46	1,522.75	1,522.02	5.26	5.23	-65.31	-55.69	59.00	105.13	94.65	10.47	10.038		
1,567.38	1,566.14	1,565.15	1,564.34	5.41	5.38	-64.70	-57.88	58.11	105.82	95.05	10.77	9.829		
1,610.08	1,608.83	1,607.44	1,606.55	5.56	5.52	-51.60	-60.39	57.00	106.65	95.59	11.06	9.644		
1,652.78	1,651.52	1,650.80	1,649.80	5.70	5.67	-25.82	-63.13	55.52	107.53	96.18	11.36	9.467		
1,695.48	1,694.22	1,692.32	1,691.19	5.85	5.82	-19.01	-65.92	53.94	108.56	96.91	11.65	9.322		
1,738.18	1,736.92	1,735.21	1,733.93	6.00	5.97	-4.18	-69.03	52.32	109.75	97.80	11.94	9.189		
1,780.88	1,779.61	1,777.27	1,775.82	6.15	6.12	-6.05	-72.30	50.36	111.01	98.78	12.23	9.074		
1,823.58	1,822.31	1,820.10	1,818.43	6.30	6.27	-11.65	-75.92	47.98	112.47	99.94	12.53	8.974		
1,866.28	1,865.00	1,861.30	1,859.37	6.45	6.42	-13.98	-79.72	45.37	114.08	101.26	12.82	8.900		
1,908.98	1,907.69	1,902.78	1,900.51	6.59	6.57	-8.69	-84.19	42.44	116.20	103.09	13.10	8.867		
1,951.68	1,950.39	1,943.12	1,940.42	6.74	6.72	-5.32	-89.15	39.29	118.94	105.57	13.38	8.892		
1,994.38	1,993.08	1,983.83	1,980.57	6.89	6.87	-3.22	-94.96	35.84	122.52	108.87	13.65	8.976		
2,037.08	2,035.77	2,024.26	2,020.31	7.04	7.02	-2.77	-101.33	32.10	126.82	112.90	13.92	9.113		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 2CH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG, 2165-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
2,079.78	2,078.46	2,064.66	2,059.92	7.19	7.18	6.25	-108.31	28.23	131.96	117.78	14.18	9.307		
2,122.48	2,121.15	2,105.45	2,099.85	7.34	7.34	4.57	-115.73	24.52	137.84	123.39	14.45	9.539		
2,165.18	2,163.84	2,145.86	2,139.31	7.49	7.50	5.31	-123.48	20.49	144.37	129.66	14.71	9.812		
2,200.00	2,198.65	2,179.08	2,171.69	7.55	7.64	6.99	-130.16	17.27	150.19	135.32	14.87	10.100		
2,220.18	2,218.83	2,198.81	2,190.92	7.55	7.72	7.92	-134.15	15.38	153.65	138.71	14.94	10.285		
2,300.00	2,298.64	2,276.67	2,266.73	7.56	8.05	-93.62	-149.95	7.34	168.48	153.26	15.22	11.071		
2,400.00	2,398.59	2,373.81	2,361.07	7.59	8.47	-117.84	-169.81	-4.55	189.85	174.26	15.59	12.176		
2,500.00	2,498.36	2,470.70	2,455.16	7.64	8.91	-120.91	-189.62	-16.50	213.78	197.78	16.00	13.364		
2,600.00	2,597.86	2,567.18	2,548.85	7.71	9.35	-121.89	-209.34	-28.39	239.92	223.49	16.43	14.602		
2,700.00	2,696.94	2,663.12	2,642.01	7.79	9.80	-122.61	-228.96	-40.22	268.09	251.20	16.89	15.869		
2,730.19	2,726.76	2,708.04	2,670.02	7.83	10.01	-122.84	-234.86	-43.78	277.00	259.89	17.10	16.194		
2,800.00	2,795.64	2,758.59	2,734.72	7.91	10.25	-123.15	-248.48	-51.99	297.79	280.40	17.39	17.128		
2,900.00	2,894.31	2,854.02	2,827.39	8.05	10.71	-123.53	-267.99	-63.75	327.59	309.69	17.90	18.303		
3,000.00	2,992.99	2,949.46	2,920.07	8.22	11.18	-123.85	-287.51	-75.52	357.40	338.97	18.43	19.390		
3,100.00	3,091.66	3,044.89	3,012.75	8.40	11.65	-124.11	-307.02	-87.29	387.23	368.24	18.99	20.394		
3,200.00	3,190.34	3,140.33	3,105.42	8.61	12.12	-124.34	-326.53	-99.05	417.05	397.49	19.56	21.320		
3,300.00	3,289.01	3,235.76	3,198.10	8.83	12.60	-124.54	-346.05	-110.82	446.88	426.73	20.15	22.174		
3,400.00	3,387.69	3,331.20	3,290.77	9.07	13.08	-124.71	-365.56	-122.58	476.72	455.96	20.76	22.961		
3,500.00	3,486.36	3,426.64	3,383.45	9.33	13.56	-124.86	-385.07	-134.35	506.56	485.18	21.39	23.686		
3,600.00	3,585.03	3,522.07	3,476.13	9.60	14.05	-125.00	-404.59	-146.11	536.40	514.38	22.02	24.354		
3,700.00	3,683.71	3,617.51	3,568.80	9.88	14.54	-125.12	-424.10	-157.88	566.25	543.57	22.68	24.971		
3,800.00	3,782.38	3,712.94	3,661.48	10.18	15.03	-125.23	-443.61	-169.64	596.10	572.76	23.34	25.539		
3,900.00	3,881.06	3,808.38	3,754.15	10.48	15.52	-125.33	-463.13	-181.41	625.95	601.93	24.02	26.064		
4,000.00	3,979.73	3,903.82	3,846.83	10.80	16.01	-125.42	-482.64	-193.17	655.80	631.10	24.70	26.550		
4,100.00	4,078.41	4,000.75	3,939.50	11.13	16.52	-125.50	-502.15	-204.94	685.65	660.25	25.40	26.992		
4,200.00	4,177.08	4,105.31	4,032.18	11.46	17.06	-125.58	-521.67	-216.71	715.50	689.36	26.14	27.367		
4,300.00	4,275.76	4,209.88	4,124.86	11.80	17.61	-125.64	-541.18	-228.47	745.36	718.46	26.90	27.713		
4,400.00	4,374.43	4,285.56	4,217.53	12.15	18.01	-125.71	-560.69	-240.24	775.21	747.68	27.53	28.158		
4,500.00	4,473.10	4,380.99	4,310.21	12.51	18.51	-125.77	-580.21	-252.00	805.07	776.81	28.26	28.491		
4,600.00	4,571.78	4,476.43	4,402.88	12.87	19.01	-125.82	-599.72	-263.77	834.93	805.94	28.99	28.801		
4,700.00	4,670.45	4,571.87	4,495.56	13.23	19.51	-125.87	-619.23	-275.53	864.78	835.06	29.73	29.090		
4,800.00	4,769.13	4,667.30	4,588.24	13.60	20.02	-125.92	-638.75	-287.30	894.64	864.17	30.47	29.360		
4,900.00	4,867.80	4,762.74	4,680.91	13.98	20.52	-125.97	-658.26	-299.06	924.50	893.28	31.22	29.612		
5,000.00	4,966.48	4,858.17	4,773.59	14.36	21.03	-126.01	-677.77	-310.83	954.36	922.39	31.97	29.848		
5,100.00	5,065.15	4,953.61	4,866.26	14.75	21.54	-126.05	-697.29	-322.59	984.22	951.49	32.73	30.069		
5,200.00	5,163.82	5,049.05	4,958.94	15.13	22.04	-126.08	-716.80	-334.36	1,014.08	980.59	33.49	30.276		
5,300.00	5,262.50	5,144.48	5,051.61	15.52	22.55	-126.12	-736.31	-346.13	1,043.94	1,009.68	34.26	30.471		
5,400.00	5,361.17	5,239.92	5,144.29	15.92	23.06	-126.15	-755.83	-357.89	1,073.80	1,038.77	35.03	30.654		
5,500.00	5,459.85	5,335.35	5,236.97	16.32	23.57	-126.18	-775.34	-369.66	1,103.66	1,067.86	35.80	30.827		
5,600.00	5,558.52	5,430.79	5,329.64	16.71	24.08	-126.21	-794.85	-381.42	1,133.52	1,096.95	36.58	30.989		
5,700.00	5,657.20	5,526.23	5,422.32	17.12	24.59	-126.24	-814.37	-393.19	1,163.38	1,126.03	37.36	31.143		
5,800.00	5,755.87	5,621.66	5,514.99	17.52	25.10	-126.27	-833.88	-404.95	1,193.25	1,155.11	38.14	31.288		
5,900.00	5,854.54	5,717.10	5,607.67	17.93	25.61	-126.29	-853.39	-416.72	1,223.11	1,184.19	38.92	31.425		
6,000.00	5,953.22	5,812.53	5,700.35	18.34	26.12	-126.32	-872.91	-428.48	1,252.97	1,213.26	39.71	31.555		
6,100.00	6,051.89	5,907.97	5,793.02	18.75	26.63	-126.34	-892.42	-440.25	1,282.83	1,242.34	40.50	31.678		
6,200.00	6,150.57	6,003.40	5,885.70	19.16	27.15	-126.36	-911.93	-452.01	1,312.70	1,271.41	41.29	31.795		
6,300.00	6,249.24	6,101.16	5,978.37	19.57	27.67	-126.38	-931.45	-463.78	1,342.56	1,300.47	42.09	31.898		
6,400.00	6,347.92	6,205.72	6,071.05	19.99	28.23	-126.40	-950.96	-475.55	1,372.42	1,329.50	42.92	31.974		
6,500.00	6,446.59	6,289.71	6,163.72	20.41	28.68	-126.42	-970.47	-487.31	1,402.28	1,358.61	43.67	32.112		
6,600.00	6,545.26	6,385.15	6,256.40	20.82	29.20	-126.44	-989.99	-499.08	1,432.15	1,387.68	44.47	32.207		
6,700.00	6,643.94	6,480.58	6,349.08	21.24	29.71	-126.46	-1,009.50	-510.84	1,462.01	1,416.74	45.27	32.298		
6,800.00	6,742.61	6,576.02	6,441.75	21.66	30.22	-126.47	-1,029.01	-522.61	1,491.87	1,445.81	46.07	32.385		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 2CH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG, 2165-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
6,900.00	6,841.29	6,671.46	6,534.43	22.09	30.74	-126.49	-1,048.53	-534.37	1,521.74	1,474.87	46.87	32.468		
7,000.00	6,939.96	6,766.89	6,627.10	22.51	31.25	-126.51	-1,068.04	-546.14	1,551.60	1,503.93	47.67	32.547		
7,100.00	7,038.64	6,862.33	6,719.78	22.93	31.77	-126.52	-1,087.55	-557.90	1,581.46	1,532.99	48.48	32.622		
7,200.00	7,137.31	6,957.76	6,812.46	23.36	32.28	-126.53	-1,107.07	-569.67	1,611.33	1,562.04	49.28	32.695		
7,300.00	7,235.99	7,053.20	6,905.13	23.78	32.80	-126.55	-1,126.58	-581.44	1,641.19	1,591.10	50.09	32.764		
7,400.00	7,334.66	7,148.64	6,997.81	24.21	33.31	-126.56	-1,146.09	-593.20	1,671.06	1,620.16	50.90	32.830		
7,444.84	7,378.91	7,208.57	7,039.36	24.40	33.63	-126.57	-1,154.84	-598.48	1,684.45	1,633.11	51.34	32.811		
7,450.00	7,383.99	7,203.65	7,044.14	24.42	33.61	-124.59	-1,155.85	-599.08	1,685.99	1,634.65	51.34	32.842		
7,500.00	7,432.91	7,243.99	7,090.40	24.66	33.83	-111.46	-1,165.59	-604.96	1,700.87	1,649.14	51.74	32.876		
7,550.00	7,480.84	7,291.22	7,136.27	24.93	34.08	-104.19	-1,175.25	-610.78	1,715.61	1,663.40	52.21	32.862		
7,600.00	7,527.44	7,337.69	7,181.39	25.23	34.33	-99.52	-1,184.75	-616.51	1,730.15	1,677.43	52.72	32.819		
7,650.00	7,572.35	7,383.04	7,225.43	25.57	34.58	-96.23	-1,194.02	-622.10	1,744.45	1,691.18	53.26	32.750		
7,700.00	7,615.21	7,426.93	7,268.06	25.94	34.81	-93.77	-1,203.00	-627.51	1,758.52	1,704.67	53.85	32.656		
7,750.00	7,655.72	7,469.03	7,308.93	26.35	35.04	-91.86	-1,211.60	-632.70	1,772.37	1,717.90	54.47	32.539		
7,800.00	7,693.55	7,509.01	7,347.76	26.80	35.26	-90.32	-1,219.78	-637.63	1,786.05	1,730.93	55.12	32.402		
7,850.00	7,728.43	7,546.57	7,384.23	27.29	35.46	-89.04	-1,227.46	-642.26	1,799.60	1,743.80	55.81	32.246		
7,900.00	7,760.08	7,581.42	7,418.08	27.82	35.65	-87.93	-1,234.58	-646.56	1,813.09	1,756.57	56.53	32.075		
7,950.00	7,788.27	7,613.30	7,449.04	28.40	35.82	-86.92	-1,241.10	-650.49	1,826.58	1,769.31	57.27	31.892		
8,000.00	7,812.78	7,663.25	7,497.33	29.02	36.10	-86.51	-1,251.27	-658.04	1,840.02	1,781.78	58.23	31.598		
8,050.00	7,833.42	7,733.26	7,563.59	29.69	36.53	-86.68	-1,265.22	-675.68	1,852.99	1,793.55	59.43	31.177		
8,100.00	7,850.04	7,821.75	7,643.49	30.41	37.11	-87.33	-1,282.05	-709.56	1,865.20	1,804.32	60.87	30.641		
8,150.00	7,862.51	7,939.84	7,740.38	31.16	37.98	-88.56	-1,302.46	-773.51	1,876.16	1,813.52	62.65	29.949		
8,200.00	7,870.73	8,103.86	7,849.55	31.94	39.34	-90.34	-1,325.46	-893.00	1,884.99	1,820.06	64.93	29.029		
8,250.00	7,874.65	8,325.48	7,936.35	32.75	41.53	-91.94	-1,343.76	-1,094.58	1,890.19	1,822.14	68.05	27.777		
8,270.17	7,875.00	8,427.23	7,949.47	33.09	42.67	-92.21	-1,346.54	-1,195.30	1,890.86	1,821.31	69.55	27.187		
8,300.00	7,875.00	8,477.15	7,950.00	33.59	43.26	-92.23	-1,346.66	-1,245.22	1,890.88	1,820.15	70.73	26.734		
8,400.00	7,875.00	8,577.15	7,950.00	35.34	44.52	-92.23	-1,346.67	-1,345.22	1,890.88	1,816.76	74.12	25.511		
8,500.00	7,875.00	8,677.15	7,950.00	37.22	45.91	-92.23	-1,346.69	-1,445.22	1,890.88	1,813.15	77.73	24.326		
8,600.00	7,875.00	8,777.15	7,950.00	39.18	47.41	-92.23	-1,346.70	-1,545.22	1,890.88	1,809.35	81.53	23.192		
8,700.00	7,875.00	8,877.15	7,950.00	41.23	49.02	-92.23	-1,346.72	-1,645.22	1,890.88	1,805.38	85.50	22.115		
8,800.00	7,875.00	8,977.15	7,950.00	43.36	50.73	-92.23	-1,346.73	-1,745.22	1,890.88	1,801.27	89.62	21.099		
8,900.00	7,875.00	9,077.15	7,950.00	45.54	52.53	-92.23	-1,346.75	-1,845.22	1,890.88	1,797.02	93.86	20.146		
9,000.00	7,875.00	9,177.15	7,950.00	47.77	54.41	-92.23	-1,346.76	-1,945.22	1,890.88	1,792.67	98.21	19.253		
9,100.00	7,875.00	9,277.15	7,950.00	50.06	56.36	-92.23	-1,346.78	-2,045.22	1,890.88	1,788.22	102.66	18.418		
9,200.00	7,875.00	9,377.15	7,950.00	52.38	58.37	-92.23	-1,346.79	-2,145.22	1,890.88	1,783.68	107.20	17.639		
9,300.00	7,875.00	9,477.15	7,950.00	54.73	60.44	-92.23	-1,346.81	-2,245.22	1,890.88	1,779.08	111.81	16.912		
9,400.00	7,875.00	9,577.15	7,950.00	57.12	62.57	-92.23	-1,346.82	-2,345.22	1,890.88	1,774.40	116.48	16.233		
9,500.00	7,875.00	9,677.15	7,950.00	59.53	64.74	-92.23	-1,346.83	-2,445.22	1,890.88	1,769.67	121.22	15.599		
9,600.00	7,875.00	9,777.15	7,950.00	61.96	66.95	-92.23	-1,346.85	-2,545.22	1,890.88	1,764.88	126.00	15.007		
9,700.00	7,875.00	9,877.15	7,950.00	64.42	69.20	-92.23	-1,346.86	-2,645.22	1,890.88	1,760.05	130.83	14.453		
9,800.00	7,875.00	9,977.15	7,950.00	66.89	71.48	-92.23	-1,346.88	-2,745.22	1,890.88	1,755.18	135.70	13.934		
9,900.00	7,875.00	10,077.15	7,950.00	69.38	73.79	-92.23	-1,346.89	-2,845.22	1,890.88	1,750.27	140.61	13.448		
10,000.00	7,875.00	10,177.15	7,950.00	71.89	76.13	-92.23	-1,346.91	-2,945.22	1,890.88	1,745.33	145.55	12.991		
10,100.00	7,875.00	10,277.15	7,950.00	74.41	78.49	-92.23	-1,346.92	-3,045.22	1,890.88	1,740.36	150.52	12.562		
10,200.00	7,875.00	10,377.15	7,950.00	76.94	80.88	-92.23	-1,346.94	-3,145.22	1,890.88	1,735.36	155.52	12.158		
10,300.00	7,875.00	10,477.15	7,950.00	79.48	83.28	-92.23	-1,346.95	-3,245.22	1,890.88	1,730.34	160.54	11.778		
10,400.00	7,875.00	10,577.15	7,950.00	82.03	85.70	-92.23	-1,346.97	-3,345.22	1,890.88	1,725.30	165.59	11.419		
10,500.00	7,875.00	10,677.15	7,950.00	84.59	88.14	-92.23	-1,346.98	-3,445.22	1,890.88	1,720.23	170.65	11.080		
10,600.00	7,875.00	10,777.15	7,950.00	87.16	90.60	-92.23	-1,346.99	-3,545.22	1,890.88	1,715.15	175.74	10.760		
10,700.00	7,875.00	10,877.15	7,950.00	89.73	93.06	-92.23	-1,347.01	-3,645.22	1,890.88	1,710.04	180.84	10.456		
10,800.00	7,875.00	10,977.15	7,950.00	92.31	95.54	-92.23	-1,347.02	-3,745.22	1,890.88	1,704.93	185.96	10.168		
10,900.00	7,875.00	11,077.15	7,950.00	94.90	98.04	-92.23	-1,347.04	-3,845.22	1,890.88	1,699.80	191.09	9.895		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 2CH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG, 2165-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
11,000.00	7,875.00	11,177.15	7,950.00	97.49	100.54	-92.23	-1,347.05	-3,945.22	1,890.88	1,694.65	196.23	9.636		
11,100.00	7,875.00	11,277.15	7,950.00	100.09	103.05	-92.23	-1,347.07	-4,045.22	1,890.88	1,689.50	201.39	9.389		
11,200.00	7,875.00	11,377.15	7,950.00	102.69	105.57	-92.23	-1,347.08	-4,145.22	1,890.88	1,684.33	206.56	9.154		
11,300.00	7,875.00	11,477.15	7,950.00	105.30	108.10	-92.23	-1,347.10	-4,245.22	1,890.88	1,679.15	211.73	8.930		
11,400.00	7,875.00	11,577.15	7,950.00	107.91	110.64	-92.23	-1,347.11	-4,345.22	1,890.88	1,673.96	216.92	8.717		
11,500.00	7,875.00	11,677.15	7,950.00	110.53	113.19	-92.23	-1,347.13	-4,445.22	1,890.88	1,668.76	222.12	8.513		
11,600.00	7,875.00	11,777.15	7,950.00	113.15	115.74	-92.23	-1,347.14	-4,545.22	1,890.88	1,663.56	227.33	8.318		
11,700.00	7,875.00	11,877.15	7,950.00	115.77	118.30	-92.23	-1,347.15	-4,645.22	1,890.88	1,658.34	232.54	8.131		
11,800.00	7,875.00	11,977.15	7,950.00	118.40	120.87	-92.23	-1,347.17	-4,745.22	1,890.88	1,653.12	237.76	7.953		
11,900.00	7,875.00	12,077.15	7,950.00	121.03	123.44	-92.23	-1,347.18	-4,845.22	1,890.88	1,647.90	242.99	7.782		
12,000.00	7,875.00	12,177.15	7,950.00	123.66	126.01	-92.23	-1,347.20	-4,945.22	1,890.88	1,642.66	248.22	7.618		
12,100.00	7,875.00	12,277.15	7,950.00	126.29	128.59	-92.23	-1,347.21	-5,045.22	1,890.88	1,637.42	253.46	7.460		
12,200.00	7,875.00	12,377.15	7,950.00	128.93	131.18	-92.23	-1,347.23	-5,145.22	1,890.88	1,632.17	258.71	7.309		
12,300.00	7,875.00	12,477.15	7,950.00	131.57	133.77	-92.23	-1,347.24	-5,245.22	1,890.88	1,626.92	263.96	7.164		
12,400.00	7,875.00	12,577.15	7,950.00	134.21	136.36	-92.23	-1,347.26	-5,345.22	1,890.88	1,621.67	269.22	7.024		
12,500.00	7,875.00	12,677.15	7,950.00	136.85	138.96	-92.23	-1,347.27	-5,445.22	1,890.88	1,616.41	274.48	6.889		
12,600.00	7,875.00	12,777.15	7,950.00	139.49	141.56	-92.23	-1,347.29	-5,545.22	1,890.88	1,611.14	279.74	6.759		
12,700.00	7,875.00	12,877.15	7,950.00	142.14	144.17	-92.23	-1,347.30	-5,645.22	1,890.88	1,605.87	285.01	6.634		
12,800.00	7,875.00	12,977.15	7,950.00	144.79	146.77	-92.23	-1,347.31	-5,745.22	1,890.88	1,600.60	290.29	6.514		
12,900.00	7,875.00	13,077.15	7,950.00	147.44	149.39	-92.23	-1,347.33	-5,845.22	1,890.88	1,595.32	295.57	6.398		
13,000.00	7,875.00	13,177.15	7,950.00	150.09	152.00	-92.23	-1,347.34	-5,945.22	1,890.88	1,590.04	300.85	6.285		
13,100.00	7,875.00	13,277.15	7,950.00	152.74	154.62	-92.23	-1,347.36	-6,045.22	1,890.88	1,584.75	306.13	6.177		
13,200.00	7,875.00	13,377.15	7,950.00	155.39	157.23	-92.23	-1,347.37	-6,145.22	1,890.88	1,579.46	311.42	6.072		
13,300.00	7,875.00	13,477.15	7,950.00	158.05	159.86	-92.23	-1,347.39	-6,245.22	1,890.88	1,574.17	316.71	5.970		
13,400.00	7,875.00	13,577.15	7,950.00	160.70	162.48	-92.23	-1,347.40	-6,345.22	1,890.88	1,568.88	322.00	5.872		
13,500.00	7,875.00	13,677.15	7,950.00	163.36	165.11	-92.23	-1,347.42	-6,445.22	1,890.88	1,563.58	327.30	5.777		
13,600.00	7,875.00	13,777.15	7,950.00	166.02	167.73	-92.23	-1,347.43	-6,545.22	1,890.88	1,558.28	332.60	5.685		
13,700.00	7,875.00	13,877.15	7,950.00	168.68	170.37	-92.23	-1,347.45	-6,645.22	1,890.88	1,552.98	337.90	5.596		
13,800.00	7,875.00	13,977.15	7,950.00	171.34	173.00	-92.23	-1,347.46	-6,745.22	1,890.88	1,547.68	343.21	5.509		
13,900.00	7,875.00	14,077.15	7,950.00	174.00	175.63	-92.23	-1,347.47	-6,845.22	1,890.88	1,542.37	348.51	5.426		
14,000.00	7,875.00	14,177.15	7,950.00	176.66	178.27	-92.23	-1,347.49	-6,945.22	1,890.88	1,537.06	353.82	5.344		
14,100.00	7,875.00	14,277.15	7,950.00	179.33	180.91	-92.23	-1,347.50	-7,045.22	1,890.88	1,531.75	359.13	5.265		
14,200.00	7,875.00	14,377.15	7,950.00	181.99	183.54	-92.23	-1,347.52	-7,145.22	1,890.88	1,526.44	364.45	5.188		
14,300.00	7,875.00	14,477.15	7,950.00	184.66	186.18	-92.23	-1,347.53	-7,245.22	1,890.88	1,521.12	369.76	5.114		
14,400.00	7,875.00	14,577.15	7,950.00	187.32	188.83	-92.23	-1,347.55	-7,345.22	1,890.88	1,515.81	375.08	5.041		
14,500.00	7,875.00	14,677.15	7,950.00	189.99	191.47	-92.23	-1,347.56	-7,445.22	1,890.88	1,510.49	380.40	4.971		
14,600.00	7,875.00	14,777.15	7,950.00	192.66	194.12	-92.23	-1,347.58	-7,545.22	1,890.88	1,505.17	385.72	4.902		
14,700.00	7,875.00	14,877.15	7,950.00	195.32	196.76	-92.23	-1,347.59	-7,645.22	1,890.88	1,499.85	391.04	4.836		
14,800.00	7,875.00	14,977.15	7,950.00	197.99	199.41	-92.23	-1,347.61	-7,745.22	1,890.88	1,494.52	396.36	4.771		
14,900.00	7,875.00	15,077.15	7,950.00	200.66	202.06	-92.23	-1,347.62	-7,845.22	1,890.88	1,489.20	401.69	4.707		
15,000.00	7,875.00	15,177.15	7,950.00	203.33	204.71	-92.23	-1,347.63	-7,945.22	1,890.88	1,483.87	407.01	4.646		
15,100.00	7,875.00	15,277.15	7,950.00	206.00	207.36	-92.23	-1,347.65	-8,045.22	1,890.88	1,478.54	412.34	4.586		
15,200.00	7,875.00	15,377.15	7,950.00	208.67	210.01	-92.23	-1,347.66	-8,145.22	1,890.88	1,473.22	417.67	4.527		
15,300.00	7,875.00	15,477.15	7,950.00	211.34	212.66	-92.23	-1,347.68	-8,245.22	1,890.88	1,467.89	423.00	4.470		
15,400.00	7,875.00	15,577.15	7,950.00	214.01	215.32	-92.23	-1,347.69	-8,345.22	1,890.88	1,462.55	428.33	4.415		
15,500.00	7,875.00	15,677.15	7,950.00	216.69	217.97	-92.23	-1,347.71	-8,445.22	1,890.88	1,457.22	433.66	4.360		
15,600.00	7,875.00	15,777.15	7,950.00	219.36	220.63	-92.23	-1,347.72	-8,545.22	1,890.88	1,451.89	439.00	4.307		
15,700.00	7,875.00	15,877.15	7,950.00	222.03	223.28	-92.23	-1,347.74	-8,645.22	1,890.88	1,446.55	444.33	4.256		
15,800.00	7,875.00	15,977.15	7,950.00	224.71	225.94	-92.23	-1,347.75	-8,745.22	1,890.88	1,441.22	449.67	4.205		
15,900.00	7,875.00	16,077.15	7,950.00	227.38	228.60	-92.23	-1,347.77	-8,845.22	1,890.88	1,435.88	455.00	4.156		
16,000.00	7,875.00	16,177.15	7,950.00	230.05	231.26	-92.23	-1,347.78	-8,945.22	1,890.88	1,430.54	460.34	4.108		
16,100.00	7,875.00	16,277.15	7,950.00	232.73	233.92	-92.23	-1,347.79	-9,045.22	1,890.88	1,425.20	465.68	4.060		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 2CH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG, 2165-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
16,200.00	7,875.00	16,377.15	7,950.00	235.40	236.58	-92.23	-1,347.81	-9,145.22	1,890.88	1,419.86	471.02	4.014		
16,300.00	7,875.00	16,477.15	7,950.00	238.08	239.24	-92.23	-1,347.82	-9,245.22	1,890.88	1,414.52	476.36	3.969		
16,400.00	7,875.00	16,577.15	7,950.00	240.76	241.90	-92.23	-1,347.84	-9,345.22	1,890.88	1,409.18	481.70	3.925		
16,500.00	7,875.00	16,677.15	7,950.00	243.43	244.56	-92.23	-1,347.85	-9,445.22	1,890.88	1,403.84	487.05	3.882		
16,600.00	7,875.00	16,777.15	7,950.00	246.11	247.23	-92.23	-1,347.87	-9,545.22	1,890.88	1,398.50	492.39	3.840		
16,700.00	7,875.00	16,877.15	7,950.00	248.78	249.89	-92.23	-1,347.88	-9,645.22	1,890.89	1,393.15	497.73	3.799		
16,800.00	7,875.00	16,977.15	7,950.00	251.46	252.55	-92.23	-1,347.90	-9,745.22	1,890.89	1,387.81	503.08	3.759		
16,900.00	7,875.00	17,077.15	7,950.00	254.14	255.22	-92.23	-1,347.91	-9,845.22	1,890.89	1,382.46	508.42	3.719		
17,000.00	7,875.00	17,177.15	7,950.00	256.82	257.88	-92.23	-1,347.93	-9,945.22	1,890.89	1,377.12	513.77	3.680		
17,100.00	7,875.00	17,277.15	7,950.00	259.50	260.55	-92.23	-1,347.94	-10,045.22	1,890.89	1,371.77	519.12	3.643		
17,200.00	7,875.00	17,377.15	7,950.00	262.17	263.22	-92.23	-1,347.96	-10,145.22	1,890.89	1,366.42	524.46	3.605		
17,300.00	7,875.00	17,477.15	7,950.00	264.85	265.88	-92.23	-1,347.97	-10,245.22	1,890.89	1,361.07	529.81	3.569		
17,400.00	7,875.00	17,577.15	7,950.00	267.53	268.55	-92.23	-1,347.98	-10,345.22	1,890.89	1,355.72	535.16	3.533		
17,500.00	7,875.00	17,677.15	7,950.00	270.21	271.22	-92.23	-1,348.00	-10,445.22	1,890.89	1,350.38	540.51	3.498		
17,600.00	7,875.00	17,777.15	7,950.00	272.89	273.89	-92.23	-1,348.01	-10,545.22	1,890.89	1,345.03	545.86	3.464		
17,700.00	7,875.00	17,877.15	7,950.00	275.57	276.56	-92.23	-1,348.03	-10,645.22	1,890.89	1,339.67	551.21	3.430		
17,800.00	7,875.00	17,977.15	7,950.00	278.25	279.23	-92.23	-1,348.04	-10,745.22	1,890.89	1,334.32	556.56	3.397		
17,900.00	7,875.00	18,077.15	7,950.00	280.93	281.90	-92.23	-1,348.06	-10,845.22	1,890.89	1,328.97	561.91	3.365		
18,000.00	7,875.00	18,177.15	7,950.00	283.61	284.57	-92.23	-1,348.07	-10,945.22	1,890.89	1,323.62	567.27	3.333		
18,100.00	7,875.00	18,277.15	7,950.00	286.29	287.24	-92.23	-1,348.09	-11,045.22	1,890.89	1,318.27	572.62	3.302		
18,200.00	7,875.00	18,377.15	7,950.00	288.97	289.91	-92.23	-1,348.10	-11,145.22	1,890.89	1,312.91	577.97	3.272		
18,300.00	7,875.00	18,477.15	7,950.00	291.65	292.58	-92.23	-1,348.12	-11,245.22	1,890.89	1,307.56	583.32	3.242		
18,400.00	7,875.00	18,577.15	7,950.00	294.33	295.25	-92.23	-1,348.13	-11,345.22	1,890.89	1,302.21	588.68	3.212		
18,500.00	7,875.00	18,677.15	7,950.00	297.01	297.92	-92.23	-1,348.14	-11,445.22	1,890.89	1,296.85	594.03	3.183		
18,600.00	7,875.00	18,777.15	7,950.00	299.69	300.60	-92.23	-1,348.16	-11,545.22	1,890.89	1,291.50	599.39	3.155		
18,700.00	7,875.00	18,877.15	7,950.00	302.38	303.27	-92.23	-1,348.17	-11,645.22	1,890.89	1,286.14	604.74	3.127		
18,800.00	7,875.00	18,977.15	7,950.00	305.06	305.94	-92.23	-1,348.19	-11,745.22	1,890.89	1,280.79	610.10	3.099		
18,900.00	7,875.00	19,077.15	7,950.00	307.74	308.61	-92.23	-1,348.20	-11,845.22	1,890.89	1,275.43	615.46	3.072		
19,000.00	7,875.00	19,177.15	7,950.00	310.42	311.29	-92.23	-1,348.22	-11,945.22	1,890.89	1,270.07	620.81	3.046		
19,100.00	7,875.00	19,277.15	7,950.00	313.10	313.96	-92.23	-1,348.23	-12,045.22	1,890.89	1,264.72	626.17	3.020		
19,200.00	7,875.00	19,377.15	7,950.00	315.79	316.64	-92.23	-1,348.25	-12,145.22	1,890.89	1,259.36	631.53	2.994		
19,300.00	7,875.00	19,477.15	7,950.00	318.47	319.31	-92.23	-1,348.26	-12,245.22	1,890.89	1,254.00	636.88	2.969		
19,400.00	7,875.00	19,577.15	7,950.00	321.15	321.99	-92.23	-1,348.28	-12,345.22	1,890.89	1,248.64	642.24	2.944		
19,500.00	7,875.00	19,677.15	7,950.00	323.83	324.66	-92.23	-1,348.29	-12,445.22	1,890.89	1,243.28	647.60	2.920		
19,600.00	7,875.00	19,777.15	7,950.00	326.52	327.34	-92.23	-1,348.30	-12,545.22	1,890.89	1,237.93	652.96	2.896		
19,700.00	7,875.00	19,877.15	7,950.00	329.20	330.01	-92.23	-1,348.32	-12,645.22	1,890.89	1,232.57	658.32	2.872		
19,800.00	7,875.00	19,977.15	7,950.00	331.88	332.69	-92.23	-1,348.33	-12,745.22	1,890.89	1,227.21	663.68	2.849		
19,900.00	7,875.00	20,077.15	7,950.00	334.57	335.36	-92.23	-1,348.35	-12,845.22	1,890.89	1,221.85	669.04	2.826		
20,000.00	7,875.00	20,177.15	7,950.00	337.25	338.04	-92.23	-1,348.36	-12,945.22	1,890.89	1,216.49	674.40	2.804		
20,100.00	7,875.00	20,277.15	7,950.00	339.93	340.72	-92.23	-1,348.38	-13,045.22	1,890.89	1,211.13	679.76	2.782		
20,200.00	7,875.00	20,377.15	7,950.00	342.62	343.39	-92.23	-1,348.39	-13,145.22	1,890.89	1,205.77	685.12	2.760		
20,300.00	7,875.00	20,477.15	7,950.00	345.30	346.07	-92.23	-1,348.41	-13,245.22	1,890.89	1,200.40	690.48	2.739		
20,400.00	7,875.00	20,577.15	7,950.00	347.99	348.75	-92.23	-1,348.42	-13,345.22	1,890.89	1,195.04	695.84	2.717		
20,500.00	7,875.00	20,677.15	7,950.00	350.67	351.43	-92.23	-1,348.44	-13,445.22	1,890.89	1,189.68	701.20	2.697		
20,600.00	7,875.00	20,777.15	7,950.00	353.35	354.10	-92.23	-1,348.45	-13,545.22	1,890.89	1,184.32	706.57	2.676		
20,700.00	7,875.00	20,877.15	7,950.00	356.04	356.78	-92.23	-1,348.46	-13,645.22	1,890.89	1,178.96	711.93	2.656		
20,800.00	7,875.00	20,977.15	7,950.00	358.72	359.46	-92.23	-1,348.48	-13,745.22	1,890.89	1,173.60	717.29	2.636		
20,900.00	7,875.00	21,077.15	7,950.00	361.41	362.14	-92.23	-1,348.49	-13,845.22	1,890.89	1,168.23	722.65	2.617		
21,000.00	7,875.00	21,177.15	7,950.00	364.09	364.82	-92.23	-1,348.51	-13,945.22	1,890.89	1,162.87	728.02	2.597		
21,100.00	7,875.00	21,277.15	7,950.00	366.78	367.50	-92.23	-1,348.52	-14,045.22	1,890.89	1,157.51	733.38	2.578		
21,200.00	7,875.00	21,377.15	7,950.00	369.46	370.18	-92.23	-1,348.54	-14,145.22	1,890.89	1,152.14	738.74	2.560		
21,300.00	7,875.00	21,477.15	7,950.00	372.15	372.85	-92.23	-1,348.55	-14,245.22	1,890.89	1,146.78	744.11	2.541		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 2CH - OWB - PROPOSAL 1												Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG, 2165-MWD OWSG												Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor	
21,400.00	7,875.00	21,577.15	7,950.00	374.83	375.53	-92.23	-1,348.57	-14,345.22	1,890.89	1,141.42	749.47	2.523	
21,500.00	7,875.00	21,677.15	7,950.00	377.52	378.21	-92.23	-1,348.58	-14,445.22	1,890.89	1,136.05	754.83	2.505	
21,600.00	7,875.00	21,777.15	7,950.00	380.20	380.89	-92.23	-1,348.60	-14,545.22	1,890.89	1,130.69	760.20	2.487	
21,700.00	7,875.00	21,877.15	7,950.00	382.89	383.57	-92.23	-1,348.61	-14,645.22	1,890.89	1,125.32	765.56	2.470	
21,800.00	7,875.00	21,977.15	7,950.00	385.57	386.25	-92.23	-1,348.62	-14,745.22	1,890.89	1,119.96	770.93	2.453	
21,900.00	7,875.00	22,077.15	7,950.00	388.26	388.93	-92.23	-1,348.64	-14,845.22	1,890.89	1,114.59	776.29	2.436	
22,000.00	7,875.00	22,177.15	7,950.00	390.94	391.61	-92.23	-1,348.65	-14,945.22	1,890.89	1,109.23	781.66	2.419	
22,100.00	7,875.00	22,277.15	7,950.00	393.63	394.29	-92.23	-1,348.67	-15,045.22	1,890.89	1,103.86	787.02	2.403	
22,200.00	7,875.00	22,377.15	7,950.00	396.31	396.97	-92.23	-1,348.68	-15,145.22	1,890.89	1,098.50	792.39	2.386	
22,300.00	7,875.00	22,477.15	7,950.00	399.00	399.65	-92.23	-1,348.70	-15,245.22	1,890.89	1,093.13	797.75	2.370	
22,400.00	7,875.00	22,577.15	7,950.00	401.69	402.34	-92.23	-1,348.71	-15,345.22	1,890.89	1,087.77	803.12	2.354	
22,500.00	7,875.00	22,677.15	7,950.00	404.37	405.02	-92.23	-1,348.73	-15,445.22	1,890.89	1,082.40	808.48	2.339	
22,600.00	7,875.00	22,777.15	7,950.00	407.06	407.70	-92.23	-1,348.74	-15,545.22	1,890.89	1,077.04	813.85	2.323	
22,700.00	7,875.00	22,877.15	7,950.00	409.74	410.38	-92.23	-1,348.76	-15,645.22	1,890.89	1,071.67	819.22	2.308	
22,800.00	7,875.00	22,977.15	7,950.00	412.43	413.06	-92.23	-1,348.77	-15,745.22	1,890.89	1,066.30	824.58	2.293	
22,900.00	7,875.00	23,077.15	7,950.00	415.12	415.74	-92.23	-1,348.78	-15,845.22	1,890.89	1,060.94	829.95	2.278	
23,000.00	7,875.00	23,177.15	7,950.00	417.80	418.42	-92.23	-1,348.80	-15,945.22	1,890.89	1,055.57	835.32	2.264	
23,100.00	7,875.00	23,277.15	7,950.00	420.49	421.11	-92.23	-1,348.81	-16,045.22	1,890.89	1,050.20	840.68	2.249	
23,200.00	7,875.00	23,377.15	7,950.00	423.18	423.79	-92.23	-1,348.83	-16,145.22	1,890.89	1,044.83	846.05	2.235	
23,258.24	7,875.00	23,435.39	7,950.00	424.74	425.35	-92.23	-1,348.84	-16,203.46	1,890.89	1,041.71	849.18	2.227 SF	

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG, 2150-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	-173.92	-3,133.42	-333.79	3,151.40					
29.48	29.48	0.00	0.00	0.02	0.00	-1.07	-3,133.42	-333.79	3,151.06					
60.08	60.08	41.71	41.70	0.12	0.07	10.82	-3,133.13	-334.20	3,150.73	3,150.54	0.18	N/A		
82.56	82.56	55.25	55.24	0.20	0.11	178.40	-3,133.03	-334.40	3,150.62	3,150.32	0.30	N/A		
121.28	121.28	88.33	88.33	0.33	0.22	-178.48	-3,132.89	-334.87	3,150.83	3,150.28	0.55	5,680.996		
151.88	151.88	111.92	111.91	0.44	0.31	95.69	-3,132.82	-335.21	3,151.02	3,150.27	0.75	4,226.691		
182.48	182.47	182.48	147.54	0.55	0.56	-21.35	-3,132.72	-335.76	3,150.98	3,149.87	1.11	2,849.089		
213.08	213.07	171.25	171.23	0.65	0.52	-9.73	-3,132.63	-336.22	3,150.83	3,149.65	1.17	2,685.200		
243.68	243.67	226.90	226.85	0.76	0.72	-54.66	-3,132.17	-337.72	3,150.46	3,148.98	1.48	2,125.624		
286.38	286.37	249.31	249.26	0.91	0.80	-12.62	-3,132.03	-338.36	3,150.01	3,148.30	1.71	1,838.181		
329.08	329.07	298.29	298.22	1.06	0.98	-23.27	-3,131.81	-339.67	3,149.50	3,147.46	2.04	1,541.975		
371.78	371.77	342.41	342.33	1.22	1.14	-46.56	-3,131.57	-340.37	3,148.93	3,146.58	2.35	1,338.420		
391.32	391.30	360.17	360.09	1.28	1.20	-112.29	-3,131.49	-340.55	3,148.83	3,146.35	2.48	1,267.558		
414.48	414.46	382.25	382.17	1.36	1.28	-155.85	-3,131.41	-340.76	3,148.97	3,146.33	2.64	1,191.126		
457.18	457.15	424.54	424.46	1.51	1.43	-171.67	-3,131.27	-341.15	3,149.99	3,147.04	2.94	1,070.496		
499.88	499.81	495.05	494.96	1.66	1.68	179.04	-3,130.80	-341.80	3,151.64	3,148.30	3.34	943.044		
542.58	542.45	532.19	532.10	1.81	1.81	178.29	-3,130.43	-341.98	3,153.52	3,149.90	3.62	870.787		
585.28	585.08	571.05	570.96	1.96	1.95	179.46	-3,130.06	-342.18	3,155.60	3,151.69	3.91	807.519		
627.98	627.70	662.85	662.74	2.11	2.27	-179.58	-3,128.52	-341.87	3,157.28	3,152.90	4.37	721.842		
670.68	670.32	704.02	703.88	2.26	2.41	-178.32	-3,127.66	-340.87	3,159.00	3,154.34	4.66	677.373		
713.38	712.90	764.10	763.93	2.41	2.62	-173.60	-3,126.31	-339.11	3,161.07	3,156.05	5.02	629.872		
756.08	755.45	813.35	813.14	2.57	2.79	-175.13	-3,124.93	-337.64	3,163.33	3,157.99	5.34	592.420		
798.78	797.96	864.07	863.81	2.73	2.96	-171.67	-3,123.47	-336.19	3,165.99	3,160.32	5.67	558.611		
841.48	840.50	911.80	911.50	2.88	3.13	-165.08	-3,121.96	-334.87	3,168.07	3,162.08	5.98	529.355		
884.18	883.12	943.63	943.30	3.04	3.24	-162.97	-3,120.99	-333.93	3,169.24	3,163.00	6.25	507.283		
926.88	925.77	986.06	985.70	3.19	3.39	-162.47	-3,119.80	-332.66	3,169.86	3,163.31	6.55	484.102		
969.58	968.44	1,020.69	1,020.31	3.34	3.51	-165.68	-3,118.82	-331.75	3,169.98	3,163.15	6.82	464.698		
1,012.28	1,011.13	1,049.45	1,049.05	3.50	3.61	-166.71	-3,118.11	-331.04	3,169.75	3,162.67	7.07	448.041		
1,054.98	1,053.83	1,076.42	1,076.00	3.65	3.71	-156.24	-3,117.57	-330.46	3,169.26	3,161.93	7.32	432.887		
1,097.68	1,096.53	1,109.37	1,108.95	3.80	3.82	-74.48	-3,117.05	-329.84	3,168.64	3,161.05	7.59	417.650		
1,140.38	1,139.23	1,152.69	1,152.25	3.94	3.98	-23.51	-3,116.44	-328.93	3,167.76	3,159.87	7.89	401.699		
1,183.08	1,181.92	1,195.34	1,194.88	4.09	4.13	-40.44	-3,115.83	-327.75	3,166.71	3,158.52	8.18	387.041		
1,225.78	1,224.62	1,231.43	1,230.96	4.23	4.25	-51.79	-3,115.35	-326.74	3,165.76	3,157.30	8.46	374.384		
1,268.48	1,267.32	1,271.16	1,270.67	4.38	4.39	-17.02	-3,114.90	-325.89	3,164.73	3,155.99	8.74	361.978		
1,311.18	1,310.01	1,322.48	1,321.97	4.53	4.57	-16.26	-3,114.26	-324.46	3,163.39	3,154.32	9.07	348.747		
1,353.88	1,352.71	1,360.44	1,359.91	4.67	4.71	-19.22	-3,113.73	-323.56	3,161.94	3,152.59	9.35	338.113		
1,396.58	1,395.40	1,392.43	1,391.90	4.82	4.82	-21.02	-3,113.37	-322.91	3,160.57	3,150.96	9.61	328.817		
1,439.28	1,438.09	1,426.91	1,426.36	4.96	4.94	-17.08	-3,113.09	-322.19	3,159.27	3,149.38	9.88	319.730		
1,481.98	1,480.78	1,466.57	1,466.01	5.11	5.08	-21.03	-3,112.84	-321.26	3,157.96	3,147.79	10.17	310.558		
1,524.68	1,523.46	1,508.79	1,508.23	5.26	5.23	-22.39	-3,112.60	-320.32	3,156.53	3,146.06	10.47	301.599		
1,567.38	1,566.14	1,550.95	1,550.37	5.41	5.38	-22.30	-3,112.36	-319.39	3,155.02	3,144.26	10.76	293.124		
1,610.08	1,608.83	1,613.15	1,612.55	5.56	5.60	-9.99	-3,111.72	-317.90	3,153.43	3,142.29	11.13	283.248		
1,652.78	1,651.52	1,646.42	1,645.81	5.70	5.72	14.55	-3,111.38	-317.22	3,152.25	3,140.85	11.40	276.533		
1,695.48	1,694.22	1,712.89	1,712.27	5.85	5.96	19.91	-3,110.62	-316.00	3,151.26	3,139.47	11.78	267.420		
1,738.18	1,736.92	1,790.70	1,790.04	6.00	6.23	33.20	-3,108.78	-314.44	3,149.61	3,137.40	12.21	257.967		
1,780.88	1,779.61	1,828.80	1,828.12	6.15	6.37	29.59	-3,107.71	-313.86	3,147.87	3,135.37	12.49	251.954		
1,823.58	1,822.31	1,870.12	1,869.42	6.30	6.52	22.06	-3,106.66	-313.08	3,146.20	3,133.41	12.79	245.986		
1,866.28	1,865.00	1,914.15	1,913.42	6.45	6.68	17.75	-3,105.45	-312.34	3,144.31	3,131.21	13.10	240.086		
1,908.98	1,907.69	1,949.19	1,948.45	6.59	6.80	20.85	-3,104.55	-311.98	3,142.41	3,129.04	13.37	235.014		
1,951.68	1,950.39	1,990.80	1,990.05	6.74	6.95	21.92	-3,103.51	-311.73	3,140.54	3,126.87	13.67	229.760		
1,994.38	1,993.08	2,033.04	2,032.27	6.89	7.10	21.55	-3,102.42	-311.65	3,138.57	3,124.60	13.97	224.689		
2,037.08	2,035.77	2,065.14	2,064.36	7.04	7.22	19.48	-3,101.66	-311.73	3,136.68	3,122.45	14.23	220.392		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 3CH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG, 2150-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
2,079.78	2,078.46	2,124.67	2,123.88	7.19	7.43	26.04	-3,100.16	-311.89	3,134.75	3,120.15	14.59	214.815		
2,122.48	2,121.15	2,170.37	2,169.55	7.34	7.59	22.04	-3,098.87	-311.91	3,132.73	3,117.83	14.90	210.182		
2,165.18	2,163.84	2,225.45	2,224.61	7.49	7.79	20.54	-3,097.26	-311.97	3,130.75	3,115.51	15.25	205.298		
2,200.00	2,198.65	2,317.21	2,316.27	7.55	8.11	20.59	-3,093.29	-313.60	3,128.71	3,113.08	15.63	200.153		
2,220.18	2,218.83	2,370.21	2,369.14	7.55	8.30	20.64	-3,090.13	-315.56	3,127.23	3,111.42	15.81	197.748		
2,300.00	2,298.64	2,501.82	2,500.10	7.56	8.77	-84.31	-3,079.80	-323.36	3,120.55	3,104.27	16.28	191.704		
2,400.00	2,398.59	2,601.48	2,599.18	7.59	9.13	-112.06	-3,071.38	-329.97	3,113.64	3,096.98	16.66	186.892		
2,500.00	2,498.36	2,701.34	2,698.47	7.64	9.49	-117.39	-3,062.94	-336.60	3,108.71	3,091.65	17.06	182.186		
2,600.00	2,597.86	2,801.28	2,797.83	7.71	9.86	-119.63	-3,054.50	-343.24	3,105.77	3,088.29	17.49	177.585		
2,697.06	2,694.03	2,901.75	2,894.24	7.79	10.23	-120.87	-3,046.30	-349.68	3,104.83	3,086.89	17.94	173.087 CC		
2,700.00	2,696.94	2,901.19	2,897.15	7.79	10.23	-120.90	-3,046.05	-349.87	3,104.83	3,086.89	17.94	173.082		
2,730.19	2,726.76	2,931.32	2,927.12	7.83	10.34	-121.19	-3,043.51	-351.87	3,104.94	3,086.86	18.08	171.739		
2,800.00	2,795.64	3,000.98	2,996.37	7.91	10.60	-121.28	-3,037.62	-356.50	3,105.41	3,087.00	18.41	168.651		
2,900.00	2,894.31	3,100.77	3,095.58	8.05	10.98	-121.39	-3,029.19	-363.12	3,106.09	3,087.18	18.91	164.245		
3,000.00	2,992.99	3,200.55	3,194.79	8.22	11.35	-121.51	-3,020.76	-369.75	3,106.79	3,087.36	19.43	159.885		
3,100.00	3,091.66	3,300.34	3,294.00	8.40	11.73	-121.63	-3,012.32	-376.37	3,107.50	3,087.52	19.97	155.594		
3,200.00	3,190.34	3,400.13	3,393.21	8.61	12.11	-121.75	-3,003.89	-383.00	3,108.22	3,087.69	20.53	151.387		
3,300.00	3,289.01	3,500.08	3,492.42	8.83	12.49	-121.87	-2,995.46	-389.62	3,108.96	3,087.85	21.11	147.276		
3,400.00	3,387.69	3,600.30	3,591.63	9.07	12.87	-121.99	-2,987.03	-396.25	3,109.71	3,088.00	21.71	143.268		
3,500.00	3,486.36	3,700.51	3,690.84	9.33	13.25	-122.11	-2,978.59	-402.87	3,110.47	3,088.15	22.32	139.381		
3,600.00	3,585.03	3,800.72	3,790.05	9.60	13.64	-122.23	-2,970.16	-409.50	3,111.25	3,088.30	22.94	135.617		
3,700.00	3,683.71	3,900.94	3,889.25	9.88	14.02	-122.35	-2,961.73	-416.12	3,112.04	3,088.46	23.58	131.982		
3,800.00	3,782.38	4,001.15	3,988.46	10.18	14.41	-122.47	-2,953.30	-422.74	3,112.84	3,088.61	24.23	128.476		
3,900.00	3,881.06	4,101.36	4,087.67	10.48	14.79	-122.59	-2,944.86	-429.37	3,113.66	3,088.77	24.89	125.099		
4,000.00	3,979.73	4,201.57	4,186.88	10.80	15.18	-122.70	-2,936.43	-435.99	3,114.49	3,088.93	25.56	121.850		
4,100.00	4,078.41	4,301.79	4,286.09	11.13	15.57	-122.82	-2,928.00	-442.62	3,115.33	3,089.09	26.24	118.726		
4,200.00	4,177.08	4,402.00	4,385.30	11.46	15.96	-122.94	-2,919.57	-449.24	3,116.19	3,089.26	26.93	115.725		
4,300.00	4,275.76	4,502.21	4,484.51	11.80	16.35	-123.06	-2,911.13	-455.87	3,117.06	3,089.44	27.62	112.843		
4,400.00	4,374.43	4,602.43	4,583.72	12.15	16.73	-123.18	-2,902.70	-462.49	3,117.95	3,089.62	28.33	110.076		
4,500.00	4,473.10	4,702.64	4,682.93	12.51	17.12	-123.30	-2,894.27	-469.12	3,118.84	3,089.81	29.03	107.421		
4,600.00	4,571.78	4,802.85	4,782.14	12.87	17.51	-123.42	-2,885.84	-475.74	3,119.75	3,090.01	29.75	104.871		
4,700.00	4,670.45	4,903.07	4,881.35	13.23	17.91	-123.53	-2,877.40	-482.37	3,120.68	3,090.21	30.47	102.424		
4,800.00	4,769.13	5,003.28	4,980.56	13.60	18.30	-123.65	-2,868.97	-488.99	3,121.62	3,090.42	31.19	100.075		
4,900.00	4,867.80	5,103.49	5,079.76	13.98	18.69	-123.77	-2,860.54	-495.62	3,122.57	3,090.65	31.92	97.819		
5,000.00	4,966.48	5,196.30	5,178.97	14.36	19.05	-123.89	-2,852.11	-502.24	3,123.53	3,090.91	32.63	95.734		
5,100.00	5,065.15	5,303.92	5,278.18	14.75	19.47	-124.01	-2,843.67	-508.87	3,124.51	3,091.12	33.39	93.570		
5,200.00	5,163.82	5,395.87	5,377.39	15.13	19.83	-124.12	-2,835.24	-515.49	3,125.50	3,091.40	34.10	91.653		
5,300.00	5,262.50	5,504.34	5,476.60	15.52	20.26	-124.24	-2,826.81	-522.12	3,126.51	3,091.63	34.88	89.646		
5,400.00	5,361.17	5,604.56	5,575.81	15.92	20.65	-124.36	-2,818.38	-528.74	3,127.52	3,091.90	35.62	87.796		
5,500.00	5,459.85	5,704.77	5,675.02	16.32	21.04	-124.48	-2,809.94	-535.37	3,128.55	3,092.18	36.37	86.017		
5,600.00	5,558.52	5,804.98	5,774.23	16.71	21.44	-124.60	-2,801.51	-541.99	3,129.60	3,092.48	37.12	84.303		
5,700.00	5,657.20	5,905.20	5,873.44	17.12	21.83	-124.71	-2,793.08	-548.62	3,130.66	3,092.78	37.88	82.653		
5,800.00	5,755.87	6,005.41	5,972.65	17.52	22.22	-124.83	-2,784.65	-555.24	3,131.73	3,093.09	38.63	81.064		
5,900.00	5,854.54	6,105.62	6,071.86	17.93	22.62	-124.95	-2,776.21	-561.87	3,132.81	3,093.42	39.39	79.531		
6,000.00	5,953.22	6,205.83	6,171.07	18.34	23.01	-125.07	-2,767.78	-568.49	3,133.91	3,093.76	40.15	78.054		
6,100.00	6,051.89	6,306.05	6,270.27	18.75	23.40	-125.18	-2,759.35	-575.12	3,135.02	3,094.11	40.91	76.629		
6,200.00	6,150.57	6,406.26	6,369.48	19.16	23.80	-125.30	-2,750.92	-581.74	3,136.14	3,094.47	41.67	75.253		
6,300.00	6,249.24	6,506.47	6,468.69	19.57	24.19	-125.42	-2,742.48	-588.37	3,137.28	3,094.84	42.44	73.925		
6,400.00	6,347.92	6,606.69	6,567.90	19.99	24.59	-125.53	-2,734.05	-594.99	3,138.43	3,095.22	43.20	72.642		
6,500.00	6,446.59	6,706.90	6,667.11	20.41	24.98	-125.65	-2,725.62	-601.62	3,139.59	3,095.62	43.97	71.402		
6,600.00	6,545.26	6,807.11	6,766.32	20.82	25.38	-125.77	-2,717.19	-608.24	3,140.77	3,096.03	44.74	70.203		
6,700.00	6,643.94	6,907.32	6,865.53	21.24	25.77	-125.88	-2,708.75	-614.87	3,141.96	3,096.45	45.51	69.043		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 3CH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG, 2150-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
6,800.00	6,742.61	7,007.54	6,964.74	21.66	26.17	-126.00	-2,700.32	-621.49	3,143.16	3,096.88	46.28	67.920		
6,900.00	6,841.29	7,107.75	7,063.95	22.09	26.56	-126.12	-2,691.89	-628.12	3,144.37	3,097.33	47.05	66.834		
7,000.00	6,939.96	7,207.96	7,163.16	22.51	26.96	-126.23	-2,683.46	-634.74	3,145.60	3,097.78	47.82	65.782		
7,100.00	7,038.64	7,308.18	7,262.37	22.93	27.35	-126.35	-2,675.02	-641.37	3,146.84	3,098.25	48.59	64.762		
7,200.00	7,137.31	7,391.61	7,361.58	23.36	27.68	-126.47	-2,666.59	-647.99	3,148.10	3,098.80	49.30	63.856		
7,300.00	7,235.99	7,489.30	7,458.56	23.78	28.08	-126.55	-2,658.35	-656.01	3,149.38	3,099.31	50.07	62.897		
7,400.00	7,334.66	7,583.44	7,549.96	24.21	28.49	-126.40	-2,650.59	-676.70	3,150.81	3,099.92	50.89	61.913		
7,444.84	7,378.91	7,624.25	7,588.29	24.40	28.68	-126.24	-2,647.34	-690.29	3,151.53	3,100.26	51.27	61.464		
7,450.00	7,383.99	7,628.86	7,592.57	24.42	28.71	-124.40	-2,646.97	-692.00	3,151.62	3,100.30	51.32	61.412		
7,500.00	7,432.91	7,673.19	7,632.85	24.66	28.93	-112.45	-2,643.56	-710.15	3,152.49	3,100.71	51.78	60.886		
7,550.00	7,480.84	7,716.83	7,671.03	24.93	29.15	-106.20	-2,640.32	-731.01	3,153.37	3,101.09	52.28	60.318		
7,600.00	7,527.44	7,759.84	7,707.00	25.23	29.39	-102.41	-2,637.27	-754.37	3,154.27	3,101.44	52.83	59.711		
7,650.00	7,572.35	7,802.28	7,740.69	25.57	29.63	-99.86	-2,634.42	-780.02	3,155.16	3,101.74	53.42	59.064		
7,700.00	7,615.21	7,844.22	7,772.03	25.94	29.89	-98.03	-2,631.77	-807.74	3,156.04	3,101.97	54.07	58.373		
7,750.00	7,655.72	7,885.71	7,800.96	26.35	30.16	-96.65	-2,629.33	-837.36	3,156.89	3,102.12	54.77	57.640		
7,800.00	7,693.55	7,926.79	7,827.44	26.80	30.45	-95.58	-2,627.09	-868.69	3,157.70	3,102.17	55.53	56.865		
7,850.00	7,728.43	7,967.53	7,851.41	27.29	30.76	-94.73	-2,625.07	-901.55	3,158.46	3,102.11	56.35	56.049		
7,900.00	7,760.08	8,007.96	7,872.85	27.82	31.09	-94.04	-2,623.26	-935.78	3,159.17	3,101.93	57.24	55.193		
7,950.00	7,788.27	8,048.14	7,891.72	28.40	31.44	-93.49	-2,621.68	-971.20	3,159.80	3,101.60	58.19	54.297		
8,000.00	7,812.78	8,088.10	7,907.98	29.02	31.82	-93.05	-2,620.31	-1,007.66	3,160.35	3,101.13	59.23	53.362		
8,050.00	7,833.42	8,127.87	7,921.62	29.69	32.22	-92.71	-2,619.17	-1,045.00	3,160.82	3,100.50	60.32	52.398		
8,100.00	7,850.04	8,167.52	7,932.61	30.41	32.65	-92.44	-2,618.26	-1,083.07	3,161.20	3,099.71	61.49	51.413		
8,150.00	7,862.51	8,207.06	7,940.94	31.16	33.09	-92.25	-2,617.57	-1,121.71	3,161.48	3,098.77	62.71	50.416		
8,200.00	7,870.73	8,246.54	7,946.58	31.94	33.56	-92.14	-2,617.11	-1,160.78	3,161.66	3,097.68	63.98	49.413		
8,250.00	7,874.65	8,285.99	7,949.53	32.75	34.05	-92.09	-2,616.88	-1,200.11	3,161.74	3,096.44	65.31	48.414		
8,270.17	7,875.00	8,301.90	7,949.95	33.09	34.25	-92.09	-2,616.85	-1,216.02	3,161.74	3,095.90	65.85	48.018		
8,273.64	7,875.00	8,315.18	7,950.00	33.14	34.42	-92.09	-2,616.85	-1,217.52	3,161.74	3,095.66	66.08	47.848		
8,300.00	7,875.00	8,329.77	7,950.00	33.59	34.62	-92.09	-2,616.86	-1,243.88	3,161.75	3,095.01	66.74	47.374		
8,400.00	7,875.00	8,429.77	7,950.00	35.34	36.01	-92.09	-2,616.91	-1,343.88	3,161.79	3,091.79	70.00	45.170		
8,500.00	7,875.00	8,529.77	7,950.00	37.22	37.55	-92.09	-2,616.96	-1,443.88	3,161.83	3,088.33	73.50	43.019		
8,600.00	7,875.00	8,629.77	7,950.00	39.18	39.21	-92.09	-2,617.01	-1,543.88	3,161.86	3,084.65	77.21	40.949		
8,700.00	7,875.00	8,729.77	7,950.00	41.23	40.98	-92.09	-2,617.07	-1,643.88	3,161.90	3,080.78	81.11	38.981		
8,800.00	7,875.00	8,829.77	7,950.00	43.36	42.85	-92.09	-2,617.12	-1,743.88	3,161.93	3,076.76	85.18	37.122		
8,900.00	7,875.00	8,929.77	7,950.00	45.54	44.80	-92.09	-2,617.17	-1,843.88	3,161.97	3,072.60	89.38	35.378		
9,000.00	7,875.00	9,029.77	7,950.00	47.77	46.83	-92.09	-2,617.22	-1,943.88	3,162.01	3,068.31	93.70	33.748		
9,100.00	7,875.00	9,129.77	7,950.00	50.06	48.92	-92.09	-2,617.27	-2,043.88	3,162.04	3,063.92	98.12	32.226		
9,200.00	7,875.00	9,229.77	7,950.00	52.38	51.07	-92.09	-2,617.32	-2,143.88	3,162.08	3,059.44	102.64	30.809		
9,300.00	7,875.00	9,329.77	7,950.00	54.73	53.26	-92.09	-2,617.37	-2,243.88	3,162.12	3,054.89	107.23	29.489		
9,400.00	7,875.00	9,429.77	7,950.00	57.12	55.51	-92.09	-2,617.42	-2,343.88	3,162.15	3,050.26	111.90	28.260		
9,500.00	7,875.00	9,529.77	7,950.00	59.53	57.79	-92.09	-2,617.47	-2,443.88	3,162.19	3,045.57	116.62	27.114		
9,600.00	7,875.00	9,629.77	7,950.00	61.96	60.10	-92.09	-2,617.53	-2,543.88	3,162.23	3,040.82	121.41	26.047		
9,700.00	7,875.00	9,729.77	7,950.00	64.42	62.45	-92.09	-2,617.58	-2,643.88	3,162.26	3,036.03	126.23	25.051		
9,800.00	7,875.00	9,829.77	7,950.00	66.89	64.82	-92.09	-2,617.63	-2,743.88	3,162.30	3,031.19	131.11	24.120		
9,900.00	7,875.00	9,929.77	7,950.00	69.38	67.22	-92.09	-2,617.68	-2,843.88	3,162.34	3,026.32	136.02	23.250		
10,000.00	7,875.00	10,029.77	7,950.00	71.89	69.63	-92.09	-2,617.73	-2,943.88	3,162.37	3,021.41	140.96	22.434		
10,100.00	7,875.00	10,129.77	7,950.00	74.41	72.07	-92.09	-2,617.78	-3,043.88	3,162.41	3,016.47	145.94	21.670		
10,200.00	7,875.00	10,229.77	7,950.00	76.94	74.53	-92.09	-2,617.83	-3,143.88	3,162.45	3,011.50	150.94	20.952		
10,300.00	7,875.00	10,329.77	7,950.00	79.48	77.00	-92.09	-2,617.88	-3,243.88	3,162.48	3,006.51	155.97	20.276		
10,400.00	7,875.00	10,429.77	7,950.00	82.03	79.48	-92.09	-2,617.93	-3,343.88	3,162.52	3,001.50	161.02	19.640		
10,500.00	7,875.00	10,529.77	7,950.00	84.59	81.98	-92.09	-2,617.98	-3,443.88	3,162.56	2,996.46	166.09	19.041		
10,600.00	7,875.00	10,629.77	7,950.00	87.16	84.49	-92.09	-2,618.04	-3,543.88	3,162.59	2,991.41	171.18	18.475		
10,700.00	7,875.00	10,729.77	7,950.00	89.73	87.01	-92.09	-2,618.09	-3,643.88	3,162.63	2,986.34	176.29	17.940		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 3CH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG, 2150-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
10,800.00	7,875.00	10,829.77	7,950.00	92.31	89.54	-92.09	-2,618.14	-3,743.88	3,162.66	2,981.25	181.41	17.433		
10,900.00	7,875.00	10,929.77	7,950.00	94.90	92.08	-92.09	-2,618.19	-3,843.88	3,162.70	2,976.15	186.55	16.953		
11,000.00	7,875.00	11,029.77	7,950.00	97.49	94.63	-92.09	-2,618.24	-3,943.88	3,162.74	2,971.03	191.70	16.498		
11,100.00	7,875.00	11,129.77	7,950.00	100.09	97.19	-92.09	-2,618.29	-4,043.88	3,162.77	2,965.91	196.87	16.066		
11,200.00	7,875.00	11,229.76	7,950.00	102.69	99.75	-92.09	-2,618.34	-4,143.88	3,162.81	2,960.77	202.04	15.654		
11,300.00	7,875.00	11,329.76	7,950.00	105.30	102.32	-92.09	-2,618.39	-4,243.88	3,162.85	2,955.62	207.23	15.263		
11,400.00	7,875.00	11,429.76	7,950.00	107.91	104.90	-92.09	-2,618.44	-4,343.88	3,162.88	2,950.46	212.42	14.890		
11,500.00	7,875.00	11,529.76	7,950.00	110.53	107.48	-92.09	-2,618.50	-4,443.88	3,162.92	2,945.29	217.63	14.534		
11,600.00	7,875.00	11,629.76	7,950.00	113.15	110.06	-92.09	-2,618.55	-4,543.88	3,162.96	2,940.12	222.84	14.194		
11,700.00	7,875.00	11,729.76	7,950.00	115.77	112.66	-92.09	-2,618.60	-4,643.88	3,162.99	2,934.94	228.06	13.869		
11,800.00	7,875.00	11,829.76	7,950.00	118.40	115.25	-92.09	-2,618.65	-4,743.88	3,163.03	2,929.74	233.29	13.559		
11,900.00	7,875.00	11,929.76	7,950.00	121.03	117.85	-92.09	-2,618.70	-4,843.88	3,163.07	2,924.55	238.52	13.261		
12,000.00	7,875.00	12,029.76	7,950.00	123.66	120.46	-92.09	-2,618.75	-4,943.88	3,163.10	2,919.34	243.76	12.976		
12,100.00	7,875.00	12,129.76	7,950.00	126.29	123.07	-92.09	-2,618.80	-5,043.88	3,163.14	2,914.13	249.01	12.703		
12,200.00	7,875.00	12,229.76	7,950.00	128.93	125.68	-92.09	-2,618.85	-5,143.88	3,163.18	2,908.92	254.26	12.441		
12,300.00	7,875.00	12,329.76	7,950.00	131.57	128.29	-92.09	-2,618.90	-5,243.88	3,163.21	2,903.70	259.52	12.189		
12,400.00	7,875.00	12,429.76	7,950.00	134.21	130.91	-92.09	-2,618.96	-5,343.88	3,163.25	2,898.47	264.78	11.947		
12,500.00	7,875.00	12,529.76	7,950.00	136.85	133.53	-92.09	-2,619.01	-5,443.88	3,163.29	2,893.24	270.04	11.714		
12,600.00	7,875.00	12,629.76	7,950.00	139.49	136.15	-92.09	-2,619.06	-5,543.88	3,163.32	2,888.01	275.31	11.490		
12,700.00	7,875.00	12,729.76	7,950.00	142.14	138.78	-92.09	-2,619.11	-5,643.88	3,163.36	2,882.77	280.59	11.274		
12,800.00	7,875.00	12,829.76	7,950.00	144.79	141.41	-92.09	-2,619.16	-5,743.88	3,163.39	2,877.53	285.87	11.066		
12,900.00	7,875.00	12,929.76	7,950.00	147.44	144.04	-92.09	-2,619.21	-5,843.88	3,163.43	2,872.28	291.15	10.865		
13,000.00	7,875.00	13,029.76	7,950.00	150.09	146.67	-92.09	-2,619.26	-5,943.88	3,163.47	2,867.03	296.44	10.672		
13,100.00	7,875.00	13,129.76	7,950.00	152.74	149.31	-92.09	-2,619.31	-6,043.88	3,163.50	2,861.78	301.73	10.485		
13,200.00	7,875.00	13,229.76	7,950.00	155.39	151.95	-92.09	-2,619.36	-6,143.88	3,163.54	2,856.52	307.02	10.304		
13,300.00	7,875.00	13,329.76	7,950.00	158.05	154.59	-92.09	-2,619.41	-6,243.88	3,163.58	2,851.26	312.32	10.129		
13,400.00	7,875.00	13,429.76	7,950.00	160.70	157.23	-92.09	-2,619.47	-6,343.88	3,163.61	2,846.00	317.61	9.961		
13,500.00	7,875.00	13,529.76	7,950.00	163.36	159.87	-92.09	-2,619.52	-6,443.88	3,163.65	2,840.74	322.91	9.797		
13,600.00	7,875.00	13,629.76	7,950.00	166.02	162.51	-92.09	-2,619.57	-6,543.88	3,163.69	2,835.47	328.22	9.639		
13,700.00	7,875.00	13,729.76	7,950.00	168.68	165.16	-92.09	-2,619.62	-6,643.88	3,163.72	2,830.20	333.52	9.486		
13,800.00	7,875.00	13,829.76	7,950.00	171.34	167.81	-92.09	-2,619.67	-6,743.88	3,163.76	2,824.93	338.83	9.337		
13,900.00	7,875.00	13,929.76	7,950.00	174.00	170.45	-92.09	-2,619.72	-6,843.88	3,163.80	2,819.65	344.14	9.193		
14,000.00	7,875.00	14,029.76	7,950.00	176.66	173.10	-92.09	-2,619.77	-6,943.88	3,163.83	2,814.38	349.46	9.054		
14,100.00	7,875.00	14,129.76	7,950.00	179.33	175.75	-92.09	-2,619.82	-7,043.88	3,163.87	2,809.10	354.77	8.918		
14,200.00	7,875.00	14,229.76	7,950.00	181.99	178.41	-92.09	-2,619.87	-7,143.88	3,163.91	2,803.82	360.09	8.786		
14,300.00	7,875.00	14,329.76	7,950.00	184.66	181.06	-92.09	-2,619.93	-7,243.88	3,163.94	2,798.54	365.41	8.659		
14,400.00	7,875.00	14,429.76	7,950.00	187.32	183.71	-92.09	-2,619.98	-7,343.88	3,163.98	2,793.25	370.73	8.535		
14,500.00	7,875.00	14,529.76	7,950.00	189.99	186.37	-92.09	-2,620.03	-7,443.88	3,164.02	2,787.97	376.05	8.414		
14,600.00	7,875.00	14,629.76	7,950.00	192.66	189.03	-92.09	-2,620.08	-7,543.88	3,164.05	2,782.68	381.37	8.297		
14,700.00	7,875.00	14,729.76	7,950.00	195.32	191.68	-92.09	-2,620.13	-7,643.88	3,164.09	2,777.39	386.70	8.182		
14,800.00	7,875.00	14,829.76	7,950.00	197.99	194.34	-92.09	-2,620.18	-7,743.88	3,164.12	2,772.10	392.02	8.071		
14,900.00	7,875.00	14,929.76	7,950.00	200.66	197.00	-92.09	-2,620.23	-7,843.88	3,164.16	2,766.81	397.35	7.963		
15,000.00	7,875.00	15,029.76	7,950.00	203.33	199.66	-92.09	-2,620.28	-7,943.88	3,164.20	2,761.52	402.68	7.858		
15,100.00	7,875.00	15,129.76	7,950.00	206.00	202.32	-92.09	-2,620.33	-8,043.88	3,164.23	2,756.22	408.01	7.755		
15,200.00	7,875.00	15,229.76	7,950.00	208.67	204.98	-92.09	-2,620.38	-8,143.88	3,164.27	2,750.93	413.34	7.655		
15,300.00	7,875.00	15,329.76	7,950.00	211.34	207.65	-92.09	-2,620.44	-8,243.88	3,164.31	2,745.63	418.68	7.558		
15,400.00	7,875.00	15,429.76	7,950.00	214.01	210.31	-92.09	-2,620.49	-8,343.88	3,164.34	2,740.33	424.01	7.463		
15,500.00	7,875.00	15,529.76	7,950.00	216.69	212.97	-92.09	-2,620.54	-8,443.88	3,164.38	2,735.03	429.35	7.370		
15,600.00	7,875.00	15,629.76	7,950.00	219.36	215.64	-92.09	-2,620.59	-8,543.88	3,164.42	2,729.73	434.68	7.280		
15,700.00	7,875.00	15,729.76	7,950.00	222.03	218.30	-92.09	-2,620.64	-8,643.88	3,164.45	2,724.43	440.02	7.192		
15,800.00	7,875.00	15,829.76	7,950.00	224.71	220.97	-92.09	-2,620.69	-8,743.88	3,164.49	2,719.13	445.36	7.105		
15,900.00	7,875.00	15,929.76	7,950.00	227.38	223.63	-92.09	-2,620.74	-8,843.88	3,164.53	2,713.83	450.70	7.021		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 3CH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG, 2150-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
16,000.00	7,875.00	16,029.76	7,950.00	230.05	226.30	-92.09	-2,620.79	-8,943.88	3,164.56	2,708.52	456.04	6.939		
16,100.00	7,875.00	16,129.76	7,950.00	232.73	228.97	-92.09	-2,620.84	-9,043.88	3,164.60	2,703.22	461.38	6.859		
16,200.00	7,875.00	16,229.76	7,950.00	235.40	231.64	-92.09	-2,620.90	-9,143.88	3,164.64	2,697.91	466.72	6.781		
16,300.00	7,875.00	16,329.76	7,950.00	238.08	234.31	-92.09	-2,620.95	-9,243.88	3,164.67	2,692.61	472.06	6.704		
16,400.00	7,875.00	16,429.76	7,950.00	240.76	236.98	-92.09	-2,621.00	-9,343.88	3,164.71	2,687.30	477.41	6.629		
16,500.00	7,875.00	16,529.76	7,950.00	243.43	239.64	-92.09	-2,621.05	-9,443.88	3,164.75	2,681.99	482.75	6.556		
16,600.00	7,875.00	16,629.76	7,950.00	246.11	242.31	-92.09	-2,621.10	-9,543.88	3,164.78	2,676.68	488.10	6.484		
16,700.00	7,875.00	16,729.76	7,950.00	248.78	244.99	-92.09	-2,621.15	-9,643.88	3,164.82	2,671.37	493.45	6.414		
16,800.00	7,875.00	16,829.76	7,950.00	251.46	247.66	-92.09	-2,621.20	-9,743.88	3,164.85	2,666.06	498.79	6.345		
16,900.00	7,875.00	16,929.76	7,950.00	254.14	250.33	-92.09	-2,621.25	-9,843.88	3,164.89	2,660.75	504.14	6.278		
17,000.00	7,875.00	17,029.76	7,950.00	256.82	253.00	-92.09	-2,621.30	-9,943.88	3,164.93	2,655.44	509.49	6.212		
17,100.00	7,875.00	17,129.76	7,950.00	259.50	255.67	-92.09	-2,621.35	-10,043.88	3,164.96	2,650.13	514.84	6.148		
17,200.00	7,875.00	17,229.76	7,950.00	262.17	258.34	-92.09	-2,621.41	-10,143.88	3,165.00	2,644.81	520.19	6.084		
17,300.00	7,875.00	17,329.76	7,950.00	264.85	261.02	-92.09	-2,621.46	-10,243.88	3,165.04	2,639.50	525.54	6.022		
17,400.00	7,875.00	17,429.76	7,950.00	267.53	263.69	-92.09	-2,621.51	-10,343.88	3,165.07	2,634.19	530.89	5.962		
17,500.00	7,875.00	17,529.76	7,950.00	270.21	266.36	-92.09	-2,621.56	-10,443.88	3,165.11	2,628.87	536.24	5.902		
17,600.00	7,875.00	17,629.76	7,950.00	272.89	269.04	-92.09	-2,621.61	-10,543.88	3,165.15	2,623.56	541.59	5.844		
17,700.00	7,875.00	17,729.76	7,950.00	275.57	271.71	-92.09	-2,621.66	-10,643.88	3,165.18	2,618.24	546.94	5.787		
17,800.00	7,875.00	17,829.76	7,950.00	278.25	274.39	-92.09	-2,621.71	-10,743.88	3,165.22	2,612.92	552.30	5.731		
17,900.00	7,875.00	17,929.76	7,950.00	280.93	277.06	-92.09	-2,621.76	-10,843.88	3,165.26	2,607.61	557.65	5.676		
18,000.00	7,875.00	18,029.76	7,950.00	283.61	279.74	-92.09	-2,621.81	-10,943.88	3,165.29	2,602.29	563.00	5.622		
18,100.00	7,875.00	18,129.76	7,950.00	286.29	282.41	-92.09	-2,621.87	-11,043.88	3,165.33	2,596.97	568.36	5.569		
18,200.00	7,875.00	18,229.76	7,950.00	288.97	285.09	-92.09	-2,621.92	-11,143.88	3,165.37	2,591.65	573.71	5.517		
18,300.00	7,875.00	18,329.76	7,950.00	291.65	287.76	-92.09	-2,621.97	-11,243.88	3,165.40	2,586.33	579.07	5.466		
18,400.00	7,875.00	18,429.76	7,950.00	294.33	290.44	-92.09	-2,622.02	-11,343.88	3,165.44	2,581.02	584.42	5.416		
18,500.00	7,875.00	18,529.76	7,950.00	297.01	293.12	-92.09	-2,622.07	-11,443.88	3,165.48	2,575.70	589.78	5.367		
18,600.00	7,875.00	18,629.76	7,950.00	299.69	295.79	-92.09	-2,622.12	-11,543.88	3,165.51	2,570.38	595.14	5.319		
18,700.00	7,875.00	18,729.76	7,950.00	302.38	298.47	-92.09	-2,622.17	-11,643.88	3,165.55	2,565.06	600.49	5.272		
18,800.00	7,875.00	18,829.76	7,950.00	305.06	301.15	-92.09	-2,622.22	-11,743.88	3,165.58	2,559.73	605.85	5.225		
18,900.00	7,875.00	18,929.76	7,950.00	307.74	303.83	-92.09	-2,622.27	-11,843.88	3,165.62	2,554.41	611.21	5.179		
19,000.00	7,875.00	19,029.76	7,950.00	310.42	306.51	-92.09	-2,622.32	-11,943.88	3,165.66	2,549.09	616.57	5.134		
19,100.00	7,875.00	19,129.76	7,950.00	313.10	309.18	-92.09	-2,622.38	-12,043.88	3,165.69	2,543.77	621.92	5.090		
19,200.00	7,875.00	19,229.76	7,950.00	315.79	311.86	-92.09	-2,622.43	-12,143.88	3,165.73	2,538.45	627.28	5.047		
19,300.00	7,875.00	19,329.76	7,950.00	318.47	314.54	-92.09	-2,622.48	-12,243.88	3,165.77	2,533.12	632.64	5.004		
19,400.00	7,875.00	19,429.76	7,950.00	321.15	317.22	-92.09	-2,622.53	-12,343.88	3,165.80	2,527.80	638.00	4.962		
19,500.00	7,875.00	19,529.76	7,950.00	323.83	319.90	-92.09	-2,622.58	-12,443.88	3,165.84	2,522.48	643.36	4.921		
19,600.00	7,875.00	19,629.76	7,950.00	326.52	322.58	-92.09	-2,622.63	-12,543.88	3,165.88	2,517.15	648.72	4.880		
19,700.00	7,875.00	19,729.76	7,950.00	329.20	325.26	-92.09	-2,622.68	-12,643.88	3,165.91	2,511.83	654.08	4.840		
19,800.00	7,875.00	19,829.76	7,950.00	331.88	327.94	-92.09	-2,622.73	-12,743.88	3,165.95	2,506.51	659.44	4.801		
19,900.00	7,875.00	19,929.76	7,950.00	334.57	330.62	-92.09	-2,622.78	-12,843.88	3,165.99	2,501.18	664.80	4.762		
20,000.00	7,875.00	20,029.76	7,950.00	337.25	333.30	-92.09	-2,622.84	-12,943.88	3,166.02	2,495.86	670.17	4.724		
20,100.00	7,875.00	20,129.76	7,950.00	339.93	335.98	-92.09	-2,622.89	-13,043.88	3,166.06	2,490.53	675.53	4.687		
20,200.00	7,875.00	20,229.76	7,950.00	342.62	338.66	-92.09	-2,622.94	-13,143.88	3,166.10	2,485.21	680.89	4.650		
20,300.00	7,875.00	20,329.76	7,950.00	345.30	341.34	-92.09	-2,622.99	-13,243.88	3,166.13	2,479.88	686.25	4.614		
20,400.00	7,875.00	20,429.76	7,950.00	347.99	344.02	-92.09	-2,623.04	-13,343.88	3,166.17	2,474.55	691.61	4.578		
20,500.00	7,875.00	20,529.76	7,950.00	350.67	346.70	-92.09	-2,623.09	-13,443.88	3,166.20	2,469.23	696.98	4.543		
20,600.00	7,875.00	20,629.76	7,950.00	353.35	349.38	-92.09	-2,623.14	-13,543.88	3,166.24	2,463.90	702.34	4.508		
20,700.00	7,875.00	20,729.76	7,950.00	356.04	352.06	-92.09	-2,623.19	-13,643.88	3,166.28	2,458.57	707.70	4.474		
20,800.00	7,875.00	20,829.76	7,950.00	358.72	354.74	-92.09	-2,623.24	-13,743.88	3,166.31	2,453.25	713.07	4.440		
20,900.00	7,875.00	20,929.76	7,950.00	361.41	357.42	-92.09	-2,623.29	-13,843.88	3,166.35	2,447.92	718.43	4.407		
21,000.00	7,875.00	21,029.76	7,950.00	364.09	360.10	-92.09	-2,623.35	-13,943.88	3,166.39	2,442.59	723.80	4.375		
21,100.00	7,875.00	21,129.76	7,950.00	366.78	362.79	-92.08	-2,623.40	-14,043.88	3,166.42	2,437.26	729.16	4.343		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 3CH - OWB - PROPOSAL 1												Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG, 2150-MWD OWSG												Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor	
21,200.00	7,875.00	21,229.76	7,950.00	369.46	365.47	-92.08	-2,623.45	-14,143.88	3,166.46	2,431.94	734.52	4.311	
21,300.00	7,875.00	21,329.76	7,950.00	372.15	368.15	-92.08	-2,623.50	-14,243.88	3,166.50	2,426.61	739.89	4.280	
21,400.00	7,875.00	21,429.76	7,950.00	374.83	370.83	-92.08	-2,623.55	-14,343.88	3,166.53	2,421.28	745.25	4.249	
21,500.00	7,875.00	21,529.76	7,950.00	377.52	373.51	-92.08	-2,623.60	-14,443.88	3,166.57	2,415.95	750.62	4.219	
21,600.00	7,875.00	21,629.76	7,950.00	380.20	376.20	-92.08	-2,623.65	-14,543.88	3,166.61	2,410.62	755.98	4.189	
21,700.00	7,875.00	21,729.76	7,950.00	382.89	378.88	-92.08	-2,623.70	-14,643.88	3,166.64	2,405.29	761.35	4.159	
21,800.00	7,875.00	21,829.76	7,950.00	385.57	381.56	-92.08	-2,623.75	-14,743.88	3,166.68	2,399.96	766.71	4.130	
21,900.00	7,875.00	21,929.76	7,950.00	388.26	384.24	-92.08	-2,623.81	-14,843.88	3,166.72	2,394.64	772.08	4.102	
22,000.00	7,875.00	22,029.76	7,950.00	390.94	386.93	-92.08	-2,623.86	-14,943.88	3,166.75	2,389.31	777.45	4.073	
22,100.00	7,875.00	22,129.76	7,950.00	393.63	389.61	-92.08	-2,623.91	-15,043.88	3,166.79	2,383.98	782.81	4.045	
22,200.00	7,875.00	22,229.76	7,950.00	396.31	392.29	-92.08	-2,623.96	-15,143.88	3,166.83	2,378.65	788.18	4.018	
22,300.00	7,875.00	22,329.76	7,950.00	399.00	394.97	-92.08	-2,624.01	-15,243.88	3,166.86	2,373.32	793.55	3.991	
22,400.00	7,875.00	22,429.76	7,950.00	401.69	397.66	-92.08	-2,624.06	-15,343.88	3,166.90	2,367.99	798.91	3.964	
22,500.00	7,875.00	22,529.76	7,950.00	404.37	400.34	-92.08	-2,624.11	-15,443.88	3,166.93	2,362.66	804.28	3.938	
22,600.00	7,875.00	22,629.76	7,950.00	407.06	403.02	-92.08	-2,624.16	-15,543.88	3,166.97	2,357.32	809.65	3.912	
22,700.00	7,875.00	22,729.76	7,950.00	409.74	405.71	-92.08	-2,624.21	-15,643.88	3,167.01	2,351.99	815.01	3.886	
22,800.00	7,875.00	22,829.76	7,950.00	412.43	408.39	-92.08	-2,624.27	-15,743.88	3,167.04	2,346.66	820.38	3.860	
22,900.00	7,875.00	22,929.76	7,950.00	415.12	411.07	-92.08	-2,624.32	-15,843.88	3,167.08	2,341.33	825.75	3.835	
23,000.00	7,875.00	23,029.76	7,950.00	417.80	413.76	-92.08	-2,624.37	-15,943.88	3,167.12	2,336.00	831.12	3.811	
23,100.00	7,875.00	23,129.76	7,950.00	420.49	416.44	-92.08	-2,624.42	-16,043.88	3,167.15	2,330.67	836.48	3.786	
23,200.00	7,875.00	23,229.76	7,950.00	423.18	419.13	-92.08	-2,624.47	-16,143.88	3,167.19	2,325.34	841.85	3.762	
23,258.24	7,875.00	23,288.00	7,950.00	424.74	420.69	-92.08	-2,624.50	-16,202.12	3,167.21	2,322.23	844.98	3.748 ES, SF	

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 4AH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG, 2150-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	-173.87	-3,108.28	-333.79	3,126.41					
29.48	29.48	0.00	0.00	0.02	0.00	-1.02	-3,108.28	-333.79	3,126.06					
60.08	60.08	15.17	15.17	0.12	0.01	10.86	-3,108.29	-333.81	3,125.91	3,125.79	0.13	N/A		
61.34	61.34	16.14	16.14	0.12	0.01	12.41	-3,108.29	-333.81	3,125.91	3,125.78	0.13	N/A CC		
121.28	121.28	71.49	71.49	0.33	0.16	-178.45	-3,108.38	-334.00	3,126.38	3,125.89	0.49	6,340.866		
151.88	151.88	90.50	90.50	0.44	0.23	95.71	-3,108.46	-334.09	3,126.75	3,126.08	0.67	4,681.894		
182.48	182.47	113.01	113.00	0.55	0.31	-21.33	-3,108.62	-334.25	3,126.99	3,126.13	0.86	3,656.426		
213.08	213.07	158.74	158.74	0.65	0.47	-9.71	-3,108.90	-334.73	3,127.11	3,125.98	1.13	2,776.964		
226.56	226.56	170.24	170.23	0.70	0.51	-33.66	-3,108.94	-334.87	3,127.10	3,125.89	1.21	2,574.401		
243.68	243.67	184.83	184.82	0.76	0.57	-54.66	-3,109.01	-335.03	3,127.11	3,125.79	1.33	2,356.205		
286.38	286.37	222.97	222.96	0.91	0.70	-12.63	-3,109.23	-335.44	3,127.11	3,125.50	1.61	1,936.622		
329.08	329.07	266.87	266.86	1.06	0.86	-23.29	-3,109.48	-336.04	3,126.97	3,125.05	1.92	1,625.118		
359.40	359.39	292.76	292.74	1.17	0.95	-38.57	-3,109.63	-336.50	3,126.89	3,124.77	2.12	1,471.589		
371.78	371.77	302.70	302.68	1.22	0.99	-46.57	-3,109.69	-336.70	3,126.90	3,124.70	2.20	1,418.375		
414.48	414.46	333.87	333.84	1.36	1.10	-155.86	-3,109.95	-337.40	3,127.53	3,125.06	2.47	1,268.416		
457.18	457.15	359.16	359.12	1.51	1.19	-171.68	-3,110.25	-338.10	3,129.29	3,126.58	2.71	1,156.510		
499.88	499.81	390.16	390.09	1.66	1.31	179.03	-3,110.75	-339.13	3,131.99	3,129.02	2.97	1,055.387		
542.58	542.45	423.65	423.55	1.81	1.43	178.29	-3,111.42	-340.46	3,135.30	3,132.06	3.24	968.281		
585.28	585.08	459.47	459.33	1.96	1.56	179.50	-3,112.17	-342.14	3,138.86	3,135.35	3.52	892.601		
627.98	627.70	493.37	493.17	2.11	1.68	-179.51	-3,112.95	-343.93	3,142.53	3,138.75	3.79	829.506		
670.68	670.32	530.73	530.45	2.26	1.82	-178.20	-3,113.86	-346.12	3,146.58	3,142.50	4.08	772.081		
713.38	712.90	570.39	570.03	2.41	1.97	-173.38	-3,114.87	-348.56	3,151.09	3,146.72	4.37	720.632		
756.08	755.45	618.81	618.33	2.57	2.15	-174.83	-3,116.06	-351.64	3,156.02	3,151.32	4.70	671.086		
798.78	797.96	655.21	654.63	2.73	2.29	-171.28	-3,116.95	-354.13	3,161.37	3,156.38	4.99	633.537		
841.48	840.50	699.11	698.43	2.88	2.45	-164.60	-3,118.05	-357.02	3,166.28	3,160.98	5.30	597.338		
884.18	883.12	739.18	738.41	3.04	2.60	-162.44	-3,119.08	-359.43	3,170.27	3,164.67	5.60	566.517		
926.88	925.77	765.79	764.96	3.19	2.70	-161.91	-3,119.84	-361.06	3,173.70	3,167.86	5.84	543.129		
969.58	968.44	793.90	793.00	3.34	2.81	-165.10	-3,120.78	-362.87	3,176.87	3,170.77	6.10	521.067		
1,012.28	1,011.13	876.43	875.34	3.50	3.11	-166.05	-3,123.46	-367.66	3,179.55	3,173.00	6.55	485.146		
1,054.98	1,053.83	919.31	918.18	3.65	3.27	-155.54	-3,124.55	-369.31	3,181.28	3,174.42	6.86	463.709		
1,097.68	1,096.53	952.13	950.96	3.80	3.39	-73.76	-3,125.46	-370.49	3,182.76	3,175.64	7.13	446.500		
1,140.38	1,139.23	995.26	994.04	3.94	3.55	-22.75	-3,126.71	-372.06	3,183.99	3,176.56	7.43	428.471		
1,183.08	1,181.92	1,072.08	1,070.81	4.09	3.83	-39.62	-3,128.54	-374.29	3,184.80	3,176.94	7.86	405.396		
1,225.78	1,224.62	1,114.93	1,113.64	4.23	3.99	-50.93	-3,129.36	-375.24	3,185.45	3,177.29	8.16	390.506		
1,268.48	1,267.32	1,150.90	1,149.59	4.38	4.12	-16.13	-3,130.09	-376.13	3,185.99	3,177.56	8.43	377.792		
1,311.18	1,310.01	1,189.12	1,187.79	4.53	4.25	-15.33	-3,130.96	-377.06	3,186.38	3,177.66	8.72	365.554		
1,353.88	1,352.71	1,232.05	1,230.70	4.67	4.41	-18.26	-3,131.97	-377.91	3,186.72	3,177.70	9.02	353.420		
1,396.58	1,395.40	1,281.21	1,279.84	4.82	4.58	-20.05	-3,133.13	-378.56	3,186.98	3,177.64	9.34	341.258		
1,439.28	1,438.09	1,321.34	1,319.96	4.96	4.73	-16.09	-3,134.01	-379.03	3,187.11	3,177.48	9.63	331.009		
1,481.98	1,480.78	1,359.28	1,357.89	5.11	4.86	-20.02	-3,134.94	-379.49	3,187.24	3,177.33	9.91	321.596		
1,524.68	1,523.46	1,417.24	1,415.82	5.26	5.07	-21.34	-3,136.24	-380.54	3,187.21	3,176.94	10.27	310.428		
1,567.38	1,566.14	1,458.58	1,457.14	5.41	5.22	-21.21	-3,136.98	-381.54	3,186.92	3,176.35	10.56	301.658		
1,598.04	1,596.79	1,486.38	1,484.93	5.51	5.32	-13.34	-3,137.51	-382.33	3,186.82	3,176.05	10.77	295.853		
1,610.08	1,608.83	1,497.55	1,496.09	5.56	5.36	-8.87	-3,137.72	-382.63	3,186.84	3,175.98	10.85	293.613		
1,652.78	1,651.52	1,558.25	1,556.76	5.70	5.58	15.68	-3,138.83	-383.85	3,187.06	3,175.84	11.22	284.031		
1,695.48	1,694.22	1,604.27	1,602.77	5.85	5.75	21.07	-3,139.56	-384.39	3,187.33	3,175.79	11.53	276.370		
1,738.18	1,736.92	1,660.78	1,659.28	6.00	5.95	34.39	-3,140.20	-384.96	3,187.35	3,175.46	11.88	268.241		
1,744.44	1,743.18	1,666.24	1,664.74	6.02	5.97	33.95	-3,140.26	-385.00	3,187.34	3,175.42	11.92	267.316		
1,780.88	1,779.61	1,696.23	1,694.73	6.15	6.07	30.80	-3,140.62	-385.22	3,187.41	3,175.25	12.16	262.204		
1,823.58	1,822.31	1,732.88	1,731.37	6.30	6.21	23.29	-3,141.15	-385.62	3,187.56	3,175.13	12.43	256.341		
1,866.28	1,865.00	1,783.33	1,781.82	6.45	6.39	18.99	-3,141.82	-386.11	3,187.52	3,174.76	12.76	249.734		
1,908.98	1,907.69	1,824.13	1,822.61	6.59	6.53	22.10	-3,142.32	-386.51	3,187.34	3,174.29	13.06	244.089		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 4AH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG, 2150-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
1,951.68	1,950.39	1,864.40	1,862.87	6.74	6.68	23.19	-3,142.86	-387.08	3,187.20	3,173.85	13.35	238.721		
1,994.38	1,993.08	1,917.29	1,915.75	6.89	6.87	22.83	-3,143.46	-387.82	3,186.90	3,173.21	13.69	232.786		
2,037.08	2,035.77	1,964.25	1,962.71	7.04	7.03	20.76	-3,143.90	-388.40	3,186.48	3,172.47	14.01	227.478		
2,079.78	2,078.46	2,001.89	2,000.34	7.19	7.17	27.32	-3,144.25	-388.83	3,186.07	3,171.77	14.29	222.927		
2,122.48	2,121.15	2,039.41	2,037.86	7.34	7.30	23.33	-3,144.70	-389.26	3,185.82	3,171.24	14.58	218.571		
2,165.18	2,163.84	2,079.90	2,078.34	7.49	7.45	21.83	-3,145.19	-389.70	3,185.64	3,170.77	14.87	214.232		
2,200.00	2,198.65	2,108.26	2,106.70	7.55	7.55	21.84	-3,145.60	-389.94	3,185.57	3,170.54	15.03	211.915		
2,220.18	2,218.83	2,127.49	2,125.93	7.55	7.62	21.84	-3,145.90	-390.07	3,185.55	3,170.45	15.10	210.944		
2,224.14	2,222.79	2,131.27	2,129.71	7.55	7.63	19.27	-3,145.96	-390.10	3,185.55	3,170.43	15.12	210.750		
2,300.00	2,298.64	2,206.18	2,204.61	7.56	7.90	-83.14	-3,147.16	-390.63	3,186.12	3,170.73	15.39	207.014		
2,400.00	2,398.59	2,272.83	2,271.23	7.59	8.14	-110.83	-3,148.50	-391.85	3,189.10	3,173.45	15.66	203.692		
2,500.00	2,498.36	2,342.35	2,337.40	7.64	8.39	-116.03	-3,150.34	-394.52	3,195.04	3,179.09	15.95	200.291		
2,600.00	2,597.86	2,438.64	2,436.77	7.71	8.75	-118.14	-3,153.50	-399.66	3,203.43	3,187.06	16.37	195.674		
2,700.00	2,696.94	2,537.85	2,535.80	7.79	9.12	-119.27	-3,156.65	-404.78	3,213.74	3,196.91	16.82	191.022		
2,730.19	2,726.76	2,567.72	2,565.62	7.83	9.23	-119.51	-3,157.60	-406.33	3,217.23	3,200.26	16.97	189.632		
2,800.00	2,795.64	2,636.73	2,634.50	7.91	9.49	-119.63	-3,159.79	-409.89	3,225.51	3,208.21	17.30	186.452		
2,900.00	2,894.31	2,735.59	2,733.17	8.05	9.85	-119.80	-3,162.93	-415.00	3,237.39	3,219.60	17.80	181.919		
3,000.00	2,992.99	2,834.44	2,831.85	8.22	10.22	-119.96	-3,166.07	-420.10	3,249.30	3,230.99	18.31	177.432		
3,100.00	3,091.66	2,933.30	2,930.52	8.40	10.59	-120.12	-3,169.21	-425.21	3,261.24	3,242.39	18.85	173.014		
3,200.00	3,190.34	3,032.15	3,029.19	8.61	10.96	-120.28	-3,172.35	-430.31	3,273.20	3,253.80	19.40	168.684		
3,300.00	3,289.01	3,131.01	3,127.87	8.83	11.33	-120.44	-3,175.49	-435.42	3,285.19	3,265.21	19.98	164.455		
3,400.00	3,387.69	3,229.86	3,226.54	9.07	11.69	-120.60	-3,178.63	-440.52	3,297.20	3,276.64	20.56	160.339		
3,500.00	3,486.36	3,328.72	3,325.22	9.33	12.06	-120.76	-3,181.77	-445.63	3,309.24	3,288.08	21.17	156.346		
3,600.00	3,585.03	3,427.57	3,423.89	9.60	12.43	-120.92	-3,184.91	-450.74	3,321.31	3,299.53	21.78	152.481		
3,700.00	3,683.71	3,526.43	3,522.56	9.88	12.80	-121.08	-3,188.05	-455.84	3,333.40	3,310.99	22.41	148.747		
3,800.00	3,782.38	3,625.28	3,621.24	10.18	13.17	-121.23	-3,191.19	-460.95	3,345.51	3,322.46	23.05	145.146		
3,900.00	3,881.06	3,724.14	3,719.91	10.48	13.54	-121.38	-3,194.33	-466.05	3,357.65	3,333.95	23.70	141.679		
4,000.00	3,979.73	3,822.99	3,818.58	10.80	13.90	-121.54	-3,197.47	-471.16	3,369.81	3,345.45	24.36	138.343		
4,100.00	4,078.41	3,921.85	3,917.26	11.13	14.27	-121.69	-3,200.61	-476.26	3,381.99	3,356.97	25.03	135.138		
4,200.00	4,177.08	4,020.71	4,015.93	11.46	14.64	-121.84	-3,203.75	-481.37	3,394.20	3,368.50	25.70	132.058		
4,300.00	4,275.76	4,119.56	4,114.60	11.80	15.01	-121.99	-3,206.89	-486.48	3,406.43	3,380.04	26.39	129.102		
4,400.00	4,374.43	4,218.42	4,213.28	12.15	15.38	-122.14	-3,210.03	-491.58	3,418.68	3,391.61	27.08	126.265		
4,500.00	4,473.10	4,317.27	4,311.95	12.51	15.75	-122.28	-3,213.17	-496.69	3,430.96	3,403.19	27.77	123.542		
4,600.00	4,571.78	4,416.13	4,410.62	12.87	16.12	-122.43	-3,216.31	-501.79	3,443.26	3,414.79	28.47	120.929		
4,700.00	4,670.45	4,514.98	4,509.30	13.23	16.49	-122.57	-3,219.45	-506.90	3,455.58	3,426.40	29.18	118.422		
4,800.00	4,769.13	4,613.84	4,607.97	13.60	16.85	-122.72	-3,222.59	-512.00	3,467.92	3,438.03	29.89	116.016		
4,900.00	4,867.80	4,712.69	4,706.64	13.98	17.22	-122.86	-3,225.72	-517.11	3,480.29	3,449.68	30.61	113.707		
5,000.00	4,966.48	4,811.55	4,805.32	14.36	17.59	-123.00	-3,228.86	-522.22	3,492.67	3,461.34	31.33	111.489		
5,100.00	5,065.15	4,910.40	4,903.99	14.75	17.96	-123.14	-3,232.00	-527.32	3,505.08	3,473.03	32.05	109.359		
5,200.00	5,163.82	5,009.26	5,002.67	15.13	18.33	-123.29	-3,235.14	-532.43	3,517.51	3,484.73	32.78	107.313		
5,300.00	5,262.50	5,108.11	5,101.34	15.52	18.70	-123.42	-3,238.28	-537.53	3,529.95	3,496.45	33.51	105.346		
5,400.00	5,361.17	5,206.97	5,200.01	15.92	19.07	-123.56	-3,241.42	-542.64	3,542.42	3,508.18	34.24	103.456		
5,500.00	5,459.85	5,305.83	5,298.69	16.32	19.44	-123.70	-3,244.56	-547.74	3,554.91	3,519.94	34.98	101.637		
5,600.00	5,558.52	5,404.68	5,397.36	16.71	19.81	-123.84	-3,247.70	-552.85	3,567.42	3,531.71	35.71	99.887		
5,700.00	5,657.20	5,503.54	5,496.03	17.12	20.18	-123.97	-3,250.84	-557.95	3,579.95	3,543.50	36.46	98.202		
5,800.00	5,755.87	5,602.39	5,594.71	17.52	20.55	-124.11	-3,253.98	-563.06	3,592.50	3,555.30	37.20	96.579		
5,900.00	5,854.54	5,701.25	5,693.38	17.93	20.92	-124.24	-3,257.12	-568.17	3,605.07	3,567.13	37.94	95.016		
6,000.00	5,953.22	5,800.10	5,792.05	18.34	21.28	-124.37	-3,260.26	-573.27	3,617.66	3,578.97	38.69	93.508		
6,100.00	6,051.89	5,901.04	5,890.73	18.75	21.66	-124.50	-3,263.40	-578.38	3,630.26	3,590.82	39.44	92.037		
6,200.00	6,150.57	6,002.19	5,989.40	19.16	22.04	-124.63	-3,266.54	-583.48	3,642.89	3,602.69	40.20	90.615		
6,300.00	6,249.24	6,096.67	6,088.07	19.57	22.39	-124.76	-3,269.68	-588.59	3,655.53	3,614.60	40.94	89.298		
6,400.00	6,347.92	6,204.48	6,186.75	19.99	22.80	-124.89	-3,272.82	-593.69	3,668.20	3,626.47	41.72	87.920		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 4AH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG, 2150-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
6,500.00	6,446.59	6,305.62	6,285.42	20.41	23.17	-125.02	-3,275.96	-598.80	3,680.88	3,638.39	42.48	86.642		
6,600.00	6,545.26	6,393.23	6,384.09	20.82	23.50	-125.15	-3,279.10	-603.91	3,693.58	3,650.38	43.20	85.505		
6,700.00	6,643.94	6,507.91	6,482.77	21.24	23.93	-125.27	-3,282.24	-609.01	3,706.29	3,662.28	44.01	84.212		
6,800.00	6,742.61	6,609.05	6,581.44	21.66	24.31	-125.40	-3,285.38	-614.12	3,719.03	3,674.25	44.78	83.057		
6,900.00	6,841.29	6,689.80	6,680.12	22.09	24.61	-125.52	-3,288.52	-619.22	3,731.78	3,686.31	45.47	82.076		
7,000.00	6,939.96	6,788.66	6,778.79	22.51	24.98	-125.65	-3,291.66	-624.33	3,744.55	3,698.32	46.23	81.005		
7,100.00	7,038.64	6,887.51	6,877.46	22.93	25.35	-125.77	-3,294.80	-629.43	3,757.33	3,710.35	46.99	79.967		
7,200.00	7,137.31	6,986.37	6,976.14	23.36	25.72	-125.89	-3,297.94	-634.54	3,770.14	3,722.39	47.75	78.962		
7,300.00	7,235.99	7,085.22	7,074.81	23.78	26.09	-126.01	-3,301.08	-639.65	3,782.96	3,734.45	48.51	77.987		
7,400.00	7,334.66	7,184.08	7,173.48	24.21	26.46	-126.13	-3,304.22	-644.75	3,795.80	3,746.53	49.27	77.042		
7,444.84	7,378.91	7,228.40	7,217.73	24.40	26.62	-126.19	-3,305.63	-647.04	3,801.56	3,751.95	49.61	76.627		
7,450.00	7,383.99	7,233.50	7,222.82	24.42	26.64	-124.31	-3,305.79	-647.30	3,802.22	3,752.57	49.65	76.580		
7,500.00	7,432.91	7,282.64	7,271.87	24.66	26.83	-112.10	-3,307.35	-649.84	3,808.60	3,758.55	50.05	76.095		
7,550.00	7,480.84	7,331.03	7,320.17	24.93	27.01	-105.65	-3,308.89	-652.34	3,814.88	3,764.40	50.48	75.572		
7,600.00	7,527.44	7,380.32	7,369.27	25.23	27.20	-101.70	-3,310.45	-656.11	3,821.04	3,770.08	50.95	74.992		
7,650.00	7,572.35	7,431.28	7,419.53	25.57	27.40	-99.01	-3,312.05	-664.31	3,827.03	3,775.55	51.48	74.339		
7,700.00	7,615.21	7,483.69	7,470.24	25.94	27.63	-97.05	-3,313.67	-677.36	3,832.81	3,780.74	52.07	73.613		
7,750.00	7,655.72	7,537.63	7,520.97	26.35	27.87	-95.55	-3,315.29	-695.58	3,838.33	3,785.61	52.72	72.812		
7,800.00	7,693.55	7,593.22	7,571.21	26.80	28.14	-94.38	-3,316.90	-719.26	3,843.54	3,790.10	53.43	71.932		
7,850.00	7,728.43	7,650.53	7,620.36	27.29	28.43	-93.44	-3,318.48	-748.65	3,848.39	3,794.17	54.23	70.969		
7,900.00	7,760.08	7,709.62	7,687.70	27.82	28.76	-92.69	-3,320.00	-783.94	3,852.85	3,797.75	55.11	69.918		
7,950.00	7,788.27	7,770.53	7,712.42	28.40	29.14	-92.08	-3,321.44	-825.22	3,856.88	3,800.79	56.09	68.762		
8,000.00	7,812.78	7,833.24	7,753.63	29.02	29.57	-91.60	-3,322.78	-872.42	3,860.42	3,803.24	57.18	67.513		
8,050.00	7,833.42	7,897.67	7,790.34	29.69	30.06	-91.22	-3,323.97	-925.32	3,863.44	3,805.05	58.39	66.167		
8,100.00	7,850.04	7,963.71	7,821.56	30.41	30.64	-90.94	-3,324.99	-983.46	3,865.91	3,806.17	59.74	64.717		
8,150.00	7,862.51	8,031.15	7,846.34	31.16	31.31	-90.75	-3,325.81	-1,046.14	3,867.79	3,806.58	61.21	63.186		
8,200.00	7,870.73	8,099.74	7,863.81	31.94	32.06	-90.63	-3,326.40	-1,112.43	3,869.07	3,806.25	62.81	61.597		
8,250.00	7,874.65	8,169.16	7,873.31	32.75	32.90	-90.59	-3,326.73	-1,181.15	3,869.72	3,805.19	64.53	59.967		
8,270.17	7,875.00	8,197.31	7,874.78	33.09	33.26	-90.59	-3,326.79	-1,209.26	3,869.80	3,804.56	65.24	59.312		
8,300.00	7,875.00	8,231.67	7,875.00	33.59	33.72	-90.60	-3,326.82	-1,243.61	3,869.82	3,803.58	66.23	58.427		
8,400.00	7,875.00	8,331.67	7,875.00	35.34	35.14	-90.60	-3,326.86	-1,343.61	3,869.85	3,800.36	69.49	55.686		
8,500.00	7,875.00	8,431.67	7,875.00	37.22	36.70	-90.60	-3,326.91	-1,443.61	3,869.88	3,796.89	73.00	53.014		
8,600.00	7,875.00	8,531.67	7,875.00	39.18	38.38	-90.60	-3,326.96	-1,543.61	3,869.92	3,793.20	76.72	50.443		
8,700.00	7,875.00	8,631.67	7,875.00	41.23	40.18	-90.60	-3,327.01	-1,643.61	3,869.95	3,789.33	80.63	47.999		
8,800.00	7,875.00	8,731.67	7,875.00	43.36	42.08	-90.60	-3,327.06	-1,743.61	3,869.99	3,785.29	84.69	45.694		
8,900.00	7,875.00	8,831.67	7,875.00	45.54	44.05	-90.60	-3,327.11	-1,843.61	3,870.02	3,781.12	88.90	43.531		
9,000.00	7,875.00	8,931.67	7,875.00	47.77	46.10	-90.60	-3,327.16	-1,943.61	3,870.06	3,776.83	93.23	41.511		
9,100.00	7,875.00	9,031.67	7,875.00	50.06	48.22	-90.60	-3,327.20	-2,043.61	3,870.09	3,772.43	97.66	39.627		
9,200.00	7,875.00	9,131.67	7,875.00	52.38	50.39	-90.60	-3,327.25	-2,143.61	3,870.12	3,767.94	102.19	37.873		
9,300.00	7,875.00	9,231.67	7,875.00	54.73	52.60	-90.60	-3,327.30	-2,243.61	3,870.16	3,763.37	106.79	36.240		
9,400.00	7,875.00	9,331.67	7,875.00	57.12	54.86	-90.60	-3,327.35	-2,343.61	3,870.19	3,758.73	111.46	34.721		
9,500.00	7,875.00	9,431.67	7,875.00	59.53	57.16	-90.60	-3,327.40	-2,443.61	3,870.23	3,754.03	116.20	33.307		
9,600.00	7,875.00	9,531.67	7,875.00	61.96	59.49	-90.60	-3,327.45	-2,543.61	3,870.26	3,749.27	120.99	31.988		
9,700.00	7,875.00	9,631.67	7,875.00	64.42	61.85	-90.60	-3,327.50	-2,643.61	3,870.29	3,744.47	125.83	30.759		
9,800.00	7,875.00	9,731.67	7,875.00	66.89	64.24	-90.60	-3,327.54	-2,743.61	3,870.33	3,739.62	130.71	29.611		
9,900.00	7,875.00	9,831.67	7,875.00	69.38	66.65	-90.60	-3,327.59	-2,843.61	3,870.36	3,734.74	135.62	28.537		
10,000.00	7,875.00	9,931.67	7,875.00	71.89	69.08	-90.60	-3,327.64	-2,943.61	3,870.40	3,729.82	140.58	27.532		
10,100.00	7,875.00	10,031.67	7,875.00	74.41	71.53	-90.60	-3,327.69	-3,043.61	3,870.43	3,724.87	145.56	26.590		
10,200.00	7,875.00	10,131.67	7,875.00	76.94	73.99	-90.60	-3,327.74	-3,143.61	3,870.46	3,719.90	150.57	25.706		
10,300.00	7,875.00	10,231.67	7,875.00	79.48	76.47	-90.60	-3,327.79	-3,243.61	3,870.50	3,714.89	155.60	24.874		
10,400.00	7,875.00	10,331.67	7,875.00	82.03	78.97	-90.60	-3,327.84	-3,343.61	3,870.53	3,709.87	160.66	24.091		
10,500.00	7,875.00	10,431.67	7,875.00	84.59	81.48	-90.60	-3,327.89	-3,443.61	3,870.57	3,704.83	165.74	23.353		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 4AH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG, 2150-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
10,600.00	7,875.00	10,531.67	7,875.00	87.16	83.99	-90.60	-3,327.93	-3,543.61	3,870.60	3,699.76	170.84	22.657		
10,700.00	7,875.00	10,631.67	7,875.00	89.73	86.52	-90.60	-3,327.98	-3,643.61	3,870.64	3,694.68	175.95	21.998		
10,800.00	7,875.00	10,731.67	7,875.00	92.31	89.06	-90.60	-3,328.03	-3,743.61	3,870.67	3,689.59	181.08	21.375		
10,900.00	7,875.00	10,831.67	7,875.00	94.90	91.61	-90.60	-3,328.08	-3,843.61	3,870.70	3,684.48	186.22	20.785		
11,000.00	7,875.00	10,931.67	7,875.00	97.49	94.16	-90.60	-3,328.13	-3,943.61	3,870.74	3,679.36	191.38	20.225		
11,100.00	7,875.00	11,031.67	7,875.00	100.09	96.73	-90.60	-3,328.18	-4,043.61	3,870.77	3,674.22	196.55	19.694		
11,200.00	7,875.00	11,131.67	7,875.00	102.69	99.30	-90.60	-3,328.23	-4,143.61	3,870.81	3,669.08	201.73	19.188		
11,300.00	7,875.00	11,231.67	7,875.00	105.30	101.87	-90.60	-3,328.27	-4,243.61	3,870.84	3,663.92	206.92	18.707		
11,400.00	7,875.00	11,331.67	7,875.00	107.91	104.45	-90.60	-3,328.32	-4,343.61	3,870.87	3,658.75	212.12	18.248		
11,500.00	7,875.00	11,431.67	7,875.00	110.53	107.04	-90.60	-3,328.37	-4,443.61	3,870.91	3,653.58	217.33	17.811		
11,600.00	7,875.00	11,531.67	7,875.00	113.15	109.63	-90.60	-3,328.42	-4,543.61	3,870.94	3,648.39	222.55	17.394		
11,700.00	7,875.00	11,631.67	7,875.00	115.77	112.23	-90.60	-3,328.47	-4,643.61	3,870.98	3,643.20	227.77	16.995		
11,800.00	7,875.00	11,731.67	7,875.00	118.40	114.83	-90.60	-3,328.52	-4,743.61	3,871.01	3,638.01	233.00	16.613		
11,900.00	7,875.00	11,831.67	7,875.00	121.03	117.43	-90.60	-3,328.57	-4,843.61	3,871.04	3,632.80	238.24	16.248		
12,000.00	7,875.00	11,931.67	7,875.00	123.66	120.04	-90.60	-3,328.62	-4,943.61	3,871.08	3,627.59	243.49	15.898		
12,100.00	7,875.00	12,031.67	7,875.00	126.29	122.66	-90.60	-3,328.66	-5,043.61	3,871.11	3,622.37	248.74	15.563		
12,200.00	7,875.00	12,131.67	7,875.00	128.93	125.27	-90.60	-3,328.71	-5,143.61	3,871.15	3,617.15	254.00	15.241		
12,300.00	7,875.00	12,231.67	7,875.00	131.57	127.89	-90.60	-3,328.76	-5,243.61	3,871.18	3,611.92	259.26	14.932		
12,400.00	7,875.00	12,331.67	7,875.00	134.21	130.51	-90.60	-3,328.81	-5,343.61	3,871.21	3,606.69	264.52	14.635		
12,500.00	7,875.00	12,431.67	7,875.00	136.85	133.14	-90.60	-3,328.86	-5,443.61	3,871.25	3,601.45	269.79	14.349		
12,600.00	7,875.00	12,531.67	7,875.00	139.49	135.76	-90.60	-3,328.91	-5,543.61	3,871.28	3,596.21	275.07	14.074		
12,700.00	7,875.00	12,631.67	7,875.00	142.14	138.39	-90.60	-3,328.96	-5,643.61	3,871.32	3,590.97	280.35	13.809		
12,800.00	7,875.00	12,731.67	7,875.00	144.79	141.03	-90.60	-3,329.00	-5,743.61	3,871.35	3,585.72	285.63	13.554		
12,900.00	7,875.00	12,831.67	7,875.00	147.44	143.66	-90.60	-3,329.05	-5,843.61	3,871.39	3,580.47	290.92	13.307		
13,000.00	7,875.00	12,931.67	7,875.00	150.09	146.30	-90.60	-3,329.10	-5,943.61	3,871.42	3,575.21	296.21	13.070		
13,100.00	7,875.00	13,031.67	7,875.00	152.74	148.93	-90.60	-3,329.15	-6,043.61	3,871.45	3,569.95	301.50	12.841		
13,200.00	7,875.00	13,131.67	7,875.00	155.39	151.57	-90.60	-3,329.20	-6,143.61	3,871.49	3,564.69	306.80	12.619		
13,300.00	7,875.00	13,231.67	7,875.00	158.05	154.21	-90.60	-3,329.25	-6,243.61	3,871.52	3,559.42	312.10	12.405		
13,400.00	7,875.00	13,331.67	7,875.00	160.70	156.86	-90.60	-3,329.30	-6,343.61	3,871.56	3,554.15	317.40	12.198		
13,500.00	7,875.00	13,431.67	7,875.00	163.36	159.50	-90.60	-3,329.34	-6,443.61	3,871.59	3,548.88	322.71	11.997		
13,600.00	7,875.00	13,531.67	7,875.00	166.02	162.15	-90.60	-3,329.39	-6,543.61	3,871.62	3,543.61	328.01	11.803		
13,700.00	7,875.00	13,631.67	7,875.00	168.68	164.80	-90.60	-3,329.44	-6,643.61	3,871.66	3,538.33	333.32	11.615		
13,800.00	7,875.00	13,731.67	7,875.00	171.34	167.45	-90.60	-3,329.49	-6,743.61	3,871.69	3,533.06	338.64	11.433		
13,900.00	7,875.00	13,831.67	7,875.00	174.00	170.10	-90.60	-3,329.54	-6,843.61	3,871.73	3,527.78	343.95	11.257		
14,000.00	7,875.00	13,931.67	7,875.00	176.66	172.75	-90.60	-3,329.59	-6,943.61	3,871.76	3,522.49	349.27	11.085		
14,100.00	7,875.00	14,031.67	7,875.00	179.33	175.40	-90.60	-3,329.64	-7,043.61	3,871.79	3,517.21	354.58	10.919		
14,200.00	7,875.00	14,131.67	7,875.00	181.99	178.06	-90.60	-3,329.69	-7,143.61	3,871.83	3,511.92	359.90	10.758		
14,300.00	7,875.00	14,231.67	7,875.00	184.66	180.71	-90.60	-3,329.73	-7,243.61	3,871.86	3,506.64	365.23	10.601		
14,400.00	7,875.00	14,331.67	7,875.00	187.32	183.37	-90.60	-3,329.78	-7,343.61	3,871.90	3,501.35	370.55	10.449		
14,500.00	7,875.00	14,431.67	7,875.00	189.99	186.03	-90.60	-3,329.83	-7,443.61	3,871.93	3,496.05	375.88	10.301		
14,600.00	7,875.00	14,531.67	7,875.00	192.66	188.68	-90.60	-3,329.88	-7,543.61	3,871.97	3,490.76	381.20	10.157		
14,700.00	7,875.00	14,631.67	7,875.00	195.32	191.34	-90.60	-3,329.93	-7,643.61	3,872.00	3,485.47	386.53	10.017		
14,800.00	7,875.00	14,731.67	7,875.00	197.99	194.00	-90.60	-3,329.98	-7,743.61	3,872.03	3,480.17	391.86	9.881		
14,900.00	7,875.00	14,831.67	7,875.00	200.66	196.66	-90.60	-3,330.03	-7,843.61	3,872.07	3,474.87	397.19	9.749		
15,000.00	7,875.00	14,931.67	7,875.00	203.33	199.33	-90.60	-3,330.07	-7,943.61	3,872.10	3,469.58	402.53	9.619		
15,100.00	7,875.00	15,031.67	7,875.00	206.00	201.99	-90.60	-3,330.12	-8,043.61	3,872.14	3,464.28	407.86	9.494		
15,200.00	7,875.00	15,131.67	7,875.00	208.67	204.65	-90.60	-3,330.17	-8,143.61	3,872.17	3,458.97	413.20	9.371		
15,300.00	7,875.00	15,231.67	7,875.00	211.34	207.31	-90.60	-3,330.22	-8,243.61	3,872.20	3,453.67	418.53	9.252		
15,400.00	7,875.00	15,331.67	7,875.00	214.01	209.98	-90.60	-3,330.27	-8,343.61	3,872.24	3,448.37	423.87	9.135		
15,500.00	7,875.00	15,431.67	7,875.00	216.69	212.64	-90.60	-3,330.32	-8,443.61	3,872.27	3,443.06	429.21	9.022		
15,600.00	7,875.00	15,531.67	7,875.00	219.36	215.31	-90.60	-3,330.37	-8,543.61	3,872.31	3,437.76	434.55	8.911		
15,700.00	7,875.00	15,631.67	7,875.00	222.03	217.98	-90.60	-3,330.42	-8,643.61	3,872.34	3,432.45	439.89	8.803		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 4AH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG, 2150-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
15,800.00	7,875.00	15,731.67	7,875.00	224.71	220.64	-90.60	-3,330.46	-8,743.61	3,872.37	3,427.14	445.23	8.697		
15,900.00	7,875.00	15,831.67	7,875.00	227.38	223.31	-90.60	-3,330.51	-8,843.61	3,872.41	3,421.83	450.57	8.594		
16,000.00	7,875.00	15,931.67	7,875.00	230.05	225.98	-90.60	-3,330.56	-8,943.61	3,872.44	3,416.52	455.92	8.494		
16,100.00	7,875.00	16,031.67	7,875.00	232.73	228.65	-90.60	-3,330.61	-9,043.61	3,872.48	3,411.21	461.26	8.395		
16,200.00	7,875.00	16,131.67	7,875.00	235.40	231.32	-90.60	-3,330.66	-9,143.61	3,872.51	3,405.90	466.61	8.299		
16,300.00	7,875.00	16,231.67	7,875.00	238.08	233.99	-90.60	-3,330.71	-9,243.61	3,872.54	3,400.59	471.95	8.205		
16,400.00	7,875.00	16,331.67	7,875.00	240.76	236.66	-90.60	-3,330.76	-9,343.61	3,872.58	3,395.28	477.30	8.113		
16,500.00	7,875.00	16,431.67	7,875.00	243.43	239.33	-90.60	-3,330.80	-9,443.61	3,872.61	3,389.96	482.65	8.024		
16,600.00	7,875.00	16,531.67	7,875.00	246.11	242.00	-90.60	-3,330.85	-9,543.61	3,872.65	3,384.65	488.00	7.936		
16,700.00	7,875.00	16,631.67	7,875.00	248.78	244.67	-90.60	-3,330.90	-9,643.61	3,872.68	3,379.33	493.35	7.850		
16,800.00	7,875.00	16,731.67	7,875.00	251.46	247.34	-90.60	-3,330.95	-9,743.61	3,872.72	3,374.02	498.70	7.766		
16,900.00	7,875.00	16,831.67	7,875.00	254.14	250.02	-90.60	-3,331.00	-9,843.61	3,872.75	3,368.70	504.05	7.683		
17,000.00	7,875.00	16,931.67	7,875.00	256.82	252.69	-90.60	-3,331.05	-9,943.61	3,872.78	3,363.38	509.40	7.603		
17,100.00	7,875.00	17,031.67	7,875.00	259.50	255.36	-90.60	-3,331.10	-10,043.61	3,872.82	3,358.07	514.75	7.524		
17,200.00	7,875.00	17,131.67	7,875.00	262.17	258.03	-90.60	-3,331.14	-10,143.61	3,872.85	3,352.75	520.11	7.446		
17,300.00	7,875.00	17,231.67	7,875.00	264.85	260.71	-90.60	-3,331.19	-10,243.61	3,872.89	3,347.43	525.46	7.370		
17,400.00	7,875.00	17,331.67	7,875.00	267.53	263.38	-90.60	-3,331.24	-10,343.61	3,872.92	3,342.11	530.81	7.296		
17,500.00	7,875.00	17,431.67	7,875.00	270.21	266.06	-90.60	-3,331.29	-10,443.61	3,872.95	3,336.79	536.17	7.223		
17,600.00	7,875.00	17,531.67	7,875.00	272.89	268.73	-90.60	-3,331.34	-10,543.61	3,872.99	3,331.47	541.52	7.152		
17,700.00	7,875.00	17,631.67	7,875.00	275.57	271.41	-90.60	-3,331.39	-10,643.61	3,873.02	3,326.15	546.88	7.082		
17,800.00	7,875.00	17,731.67	7,875.00	278.25	274.08	-90.60	-3,331.44	-10,743.61	3,873.06	3,320.82	552.23	7.013		
17,900.00	7,875.00	17,831.67	7,875.00	280.93	276.76	-90.60	-3,331.49	-10,843.61	3,873.09	3,315.50	557.59	6.946		
18,000.00	7,875.00	17,931.67	7,875.00	283.61	279.44	-90.60	-3,331.53	-10,943.61	3,873.12	3,310.18	562.95	6.880		
18,100.00	7,875.00	18,031.67	7,875.00	286.29	282.11	-90.60	-3,331.58	-11,043.61	3,873.16	3,304.85	568.30	6.815		
18,200.00	7,875.00	18,131.67	7,875.00	288.97	284.79	-90.60	-3,331.63	-11,143.61	3,873.19	3,299.53	573.66	6.752		
18,300.00	7,875.00	18,231.67	7,875.00	291.65	287.46	-90.60	-3,331.68	-11,243.61	3,873.23	3,294.21	579.02	6.689		
18,400.00	7,875.00	18,331.67	7,875.00	294.33	290.14	-90.60	-3,331.73	-11,343.61	3,873.26	3,288.88	584.38	6.628		
18,500.00	7,875.00	18,431.67	7,875.00	297.01	292.82	-90.60	-3,331.78	-11,443.61	3,873.30	3,283.56	589.74	6.568		
18,600.00	7,875.00	18,531.67	7,875.00	299.69	295.50	-90.60	-3,331.83	-11,543.61	3,873.33	3,278.23	595.10	6.509		
18,700.00	7,875.00	18,631.67	7,875.00	302.38	298.18	-90.60	-3,331.87	-11,643.61	3,873.36	3,272.91	600.46	6.451		
18,800.00	7,875.00	18,731.67	7,875.00	305.06	300.85	-90.60	-3,331.92	-11,743.61	3,873.40	3,267.58	605.82	6.394		
18,900.00	7,875.00	18,831.67	7,875.00	307.74	303.53	-90.60	-3,331.97	-11,843.61	3,873.43	3,262.25	611.18	6.338		
19,000.00	7,875.00	18,931.67	7,875.00	310.42	306.21	-90.60	-3,332.02	-11,943.61	3,873.47	3,256.92	616.54	6.283		
19,100.00	7,875.00	19,031.67	7,875.00	313.10	308.89	-90.60	-3,332.07	-12,043.61	3,873.50	3,251.60	621.90	6.228		
19,200.00	7,875.00	19,131.67	7,875.00	315.79	311.57	-90.60	-3,332.12	-12,143.61	3,873.53	3,246.27	627.26	6.175		
19,300.00	7,875.00	19,231.67	7,875.00	318.47	314.25	-90.60	-3,332.17	-12,243.61	3,873.57	3,240.94	632.63	6.123		
19,400.00	7,875.00	19,331.67	7,875.00	321.15	316.93	-90.60	-3,332.21	-12,343.61	3,873.60	3,235.61	637.99	6.072		
19,500.00	7,875.00	19,431.67	7,875.00	323.83	319.61	-90.60	-3,332.26	-12,443.61	3,873.64	3,230.28	643.35	6.021		
19,600.00	7,875.00	19,531.67	7,875.00	326.52	322.29	-90.60	-3,332.31	-12,543.61	3,873.67	3,224.95	648.72	5.971		
19,700.00	7,875.00	19,631.67	7,875.00	329.20	324.97	-90.60	-3,332.36	-12,643.61	3,873.70	3,219.63	654.08	5.922		
19,800.00	7,875.00	19,731.67	7,875.00	331.88	327.65	-90.60	-3,332.41	-12,743.61	3,873.74	3,214.30	659.44	5.874		
19,900.00	7,875.00	19,831.67	7,875.00	334.57	330.33	-90.60	-3,332.46	-12,843.61	3,873.77	3,208.97	664.81	5.827		
20,000.00	7,875.00	19,931.67	7,875.00	337.25	333.01	-90.60	-3,332.51	-12,943.61	3,873.81	3,203.64	670.17	5.780		
20,100.00	7,875.00	20,031.67	7,875.00	339.93	335.69	-90.60	-3,332.56	-13,043.61	3,873.84	3,198.30	675.54	5.734		
20,200.00	7,875.00	20,131.67	7,875.00	342.62	338.37	-90.60	-3,332.60	-13,143.61	3,873.88	3,192.97	680.90	5.689		
20,300.00	7,875.00	20,231.67	7,875.00	345.30	341.05	-90.60	-3,332.65	-13,243.61	3,873.91	3,187.64	686.27	5.645		
20,400.00	7,875.00	20,331.67	7,875.00	347.99	343.73	-90.60	-3,332.70	-13,343.61	3,873.94	3,182.31	691.63	5.601		
20,500.00	7,875.00	20,431.67	7,875.00	350.67	346.41	-90.60	-3,332.75	-13,443.61	3,873.98	3,176.98	697.00	5.558		
20,600.00	7,875.00	20,531.67	7,875.00	353.35	349.09	-90.60	-3,332.80	-13,543.61	3,874.01	3,171.65	702.36	5.516		
20,700.00	7,875.00	20,631.67	7,875.00	356.04	351.77	-90.60	-3,332.85	-13,643.61	3,874.05	3,166.32	707.73	5.474		
20,800.00	7,875.00	20,731.67	7,875.00	358.72	354.46	-90.60	-3,332.90	-13,743.61	3,874.08	3,160.98	713.10	5.433		
20,900.00	7,875.00	20,831.67	7,875.00	361.41	357.14	-90.60	-3,332.94	-13,843.61	3,874.11	3,155.65	718.46	5.392		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 4AH - OWB - PROPOSAL 1												Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG, 2150-MWD OWSG												Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor	
21,000.00	7,875.00	20,931.67	7,875.00	364.09	359.82	-90.60	-3,332.99	-13,943.61	3,874.15	3,150.32	723.83	5.352	
21,100.00	7,875.00	21,031.67	7,875.00	366.78	362.50	-90.60	-3,333.04	-14,043.61	3,874.18	3,144.98	729.20	5.313	
21,200.00	7,875.00	21,131.67	7,875.00	369.46	365.18	-90.60	-3,333.09	-14,143.61	3,874.22	3,139.65	734.56	5.274	
21,300.00	7,875.00	21,231.67	7,875.00	372.15	367.87	-90.60	-3,333.14	-14,243.61	3,874.25	3,134.32	739.93	5.236	
21,400.00	7,875.00	21,331.67	7,875.00	374.83	370.55	-90.60	-3,333.19	-14,343.61	3,874.28	3,128.98	745.30	5.198	
21,500.00	7,875.00	21,431.67	7,875.00	377.52	373.23	-90.60	-3,333.24	-14,443.61	3,874.32	3,123.65	750.67	5.161	
21,600.00	7,875.00	21,531.67	7,875.00	380.20	375.91	-90.60	-3,333.29	-14,543.61	3,874.35	3,118.32	756.04	5.125	
21,700.00	7,875.00	21,631.67	7,875.00	382.89	378.60	-90.60	-3,333.33	-14,643.61	3,874.39	3,112.98	761.40	5.088	
21,800.00	7,875.00	21,731.67	7,875.00	385.57	381.28	-90.60	-3,333.38	-14,743.61	3,874.42	3,107.65	766.77	5.053	
21,900.00	7,875.00	21,831.67	7,875.00	388.26	383.96	-90.60	-3,333.43	-14,843.61	3,874.45	3,102.31	772.14	5.018	
22,000.00	7,875.00	21,931.67	7,875.00	390.94	386.65	-90.60	-3,333.48	-14,943.61	3,874.49	3,096.98	777.51	4.983	
22,100.00	7,875.00	22,031.67	7,875.00	393.63	389.33	-90.60	-3,333.53	-15,043.61	3,874.52	3,091.64	782.88	4.949	
22,200.00	7,875.00	22,131.67	7,875.00	396.31	392.01	-90.60	-3,333.58	-15,143.61	3,874.56	3,086.31	788.25	4.915	
22,300.00	7,875.00	22,231.67	7,875.00	399.00	394.70	-90.60	-3,333.63	-15,243.61	3,874.59	3,080.97	793.62	4.882	
22,400.00	7,875.00	22,331.67	7,875.00	401.69	397.38	-90.60	-3,333.67	-15,343.61	3,874.63	3,075.64	798.99	4.849	
22,500.00	7,875.00	22,431.67	7,875.00	404.37	400.06	-90.60	-3,333.72	-15,443.61	3,874.66	3,070.30	804.36	4.817	
22,600.00	7,875.00	22,531.67	7,875.00	407.06	402.75	-90.60	-3,333.77	-15,543.61	3,874.69	3,064.97	809.73	4.785	
22,700.00	7,875.00	22,631.67	7,875.00	409.74	405.43	-90.60	-3,333.82	-15,643.61	3,874.73	3,059.63	815.10	4.754	
22,800.00	7,875.00	22,731.67	7,875.00	412.43	408.12	-90.60	-3,333.87	-15,743.61	3,874.76	3,054.29	820.47	4.723	
22,900.00	7,875.00	22,831.67	7,875.00	415.12	410.80	-90.60	-3,333.92	-15,843.61	3,874.80	3,048.96	825.84	4.692	
23,000.00	7,875.00	22,931.67	7,875.00	417.80	413.48	-90.60	-3,333.97	-15,943.61	3,874.83	3,043.62	831.21	4.662	
23,100.00	7,875.00	23,031.67	7,875.00	420.49	416.17	-90.60	-3,334.01	-16,043.61	3,874.86	3,038.28	836.58	4.632	
23,200.00	7,875.00	23,131.67	7,875.00	423.18	418.85	-90.60	-3,334.06	-16,143.61	3,874.90	3,032.95	841.95	4.602	
23,258.24	7,875.00	23,189.91	7,875.00	424.74	420.42	-90.60	-3,334.09	-16,201.85	3,874.92	3,029.84	845.08	4.585 ES, SF	

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 4CH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG, 2150-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	-173.96	-3,158.19	-334.07	3,176.06					
29.48	29.48	0.00	0.00	0.02	0.00	-1.11	-3,158.19	-334.07	3,175.72					
60.08	60.08	17.58	17.58	0.12	0.01	10.77	-3,158.19	-334.10	3,175.56	3,175.44	0.13	N/A		
64.21	64.21	21.24	21.24	0.13	0.01	19.63	-3,158.19	-334.11	3,175.56	3,175.42	0.14	N/A CC		
121.28	121.28	59.50	59.50	0.33	0.12	-178.54	-3,158.25	-334.24	3,176.06	3,175.60	0.45	7,028.233		
151.88	151.88	79.39	79.39	0.44	0.19	95.62	-3,158.37	-334.34	3,176.50	3,175.87	0.63	5,042.943		
182.48	182.47	130.08	130.07	0.55	0.37	-21.42	-3,158.76	-334.78	3,176.79	3,175.88	0.92	3,465.023		
213.08	213.07	159.98	159.97	0.65	0.48	-9.80	-3,158.86	-335.04	3,176.81	3,175.67	1.13	2,807.967		
243.68	243.67	190.12	190.11	0.76	0.59	-54.75	-3,158.96	-335.29	3,176.78	3,175.43	1.35	2,358.694		
286.38	286.37	230.39	230.38	0.91	0.73	-12.72	-3,159.09	-335.71	3,176.67	3,175.03	1.64	1,934.622		
329.08	329.07	281.78	281.77	1.06	0.91	-23.39	-3,159.23	-336.29	3,176.40	3,174.42	1.98	1,606.071		
371.78	371.77	323.72	323.70	1.22	1.06	-46.68	-3,159.31	-336.43	3,176.09	3,173.81	2.28	1,395.158		
380.23	380.22	331.46	331.45	1.25	1.09	-69.42	-3,159.33	-336.41	3,176.07	3,173.74	2.33	1,361.756 ES		
414.48	414.46	358.74	358.73	1.36	1.18	-155.98	-3,159.44	-336.21	3,176.38	3,173.84	2.54	1,248.365		
457.18	457.15	384.76	384.75	1.51	1.27	-171.82	-3,159.64	-335.95	3,177.80	3,175.02	2.78	1,142.458		
499.88	499.81	401.40	401.38	1.66	1.33	178.88	-3,159.87	-335.79	3,180.23	3,177.24	2.99	1,064.159		
542.58	542.45	431.98	431.95	1.81	1.43	178.11	-3,160.46	-335.50	3,183.32	3,180.08	3.24	981.149		
585.28	585.08	459.41	459.37	1.96	1.53	179.28	-3,161.17	-335.27	3,186.83	3,183.34	3.49	913.226		
627.98	627.70	491.33	491.28	2.11	1.64	-179.76	-3,162.10	-335.12	3,190.50	3,186.75	3.75	850.607		
670.68	670.32	526.56	526.49	2.26	1.77	-178.49	-3,163.21	-335.11	3,194.56	3,190.53	4.03	793.390		
713.38	712.90	567.41	567.32	2.41	1.92	-173.72	-3,164.55	-335.23	3,199.10	3,194.78	4.32	739.902		
756.08	755.45	595.92	595.81	2.57	2.02	-175.22	-3,165.53	-335.34	3,204.17	3,199.59	4.58	699.941		
798.78	797.96	622.31	622.18	2.73	2.12	-171.70	-3,166.57	-335.45	3,209.86	3,205.03	4.82	665.321		
841.48	840.50	647.69	647.53	2.88	2.21	-165.06	-3,167.71	-335.51	3,215.31	3,210.25	5.06	635.080		
884.18	883.12	674.66	674.48	3.04	2.31	-162.95	-3,169.07	-335.53	3,220.04	3,214.74	5.31	606.948		
926.88	925.77	700.02	699.79	3.19	2.40	-162.46	-3,170.46	-335.51	3,224.30	3,218.76	5.54	581.635		
969.58	968.44	729.76	729.48	3.34	2.51	-165.68	-3,172.22	-335.53	3,228.26	3,222.47	5.80	556.739		
1,012.28	1,011.13	757.96	757.63	3.50	2.61	-166.71	-3,174.01	-335.66	3,231.91	3,225.86	6.05	534.384		
1,054.98	1,053.83	788.19	787.79	3.65	2.72	-156.23	-3,176.07	-335.82	3,235.27	3,228.96	6.30	513.132		
1,097.68	1,096.53	834.37	833.86	3.80	2.89	-74.47	-3,179.24	-336.12	3,238.36	3,231.74	6.62	489.193		
1,140.38	1,139.23	870.78	870.17	3.94	3.03	-23.48	-3,181.76	-336.43	3,241.14	3,234.25	6.90	470.026		
1,183.08	1,181.92	907.09	906.40	4.09	3.17	-40.38	-3,184.34	-336.76	3,243.88	3,236.71	7.17	452.351		
1,225.78	1,224.62	953.60	952.78	4.23	3.34	-51.70	-3,187.67	-337.20	3,246.70	3,239.21	7.49	433.687		
1,268.48	1,267.32	987.23	986.32	4.38	3.47	-16.92	-3,190.09	-337.53	3,249.35	3,241.60	7.75	419.117		
1,311.18	1,310.01	1,027.28	1,026.26	4.53	3.62	-16.13	-3,193.07	-337.89	3,251.86	3,243.82	8.04	404.334		
1,353.88	1,352.71	1,077.75	1,076.59	4.67	3.81	-19.07	-3,196.76	-338.41	3,254.27	3,245.90	8.37	388.691		
1,396.58	1,395.40	1,119.52	1,118.25	4.82	3.96	-20.86	-3,199.76	-338.82	3,256.56	3,247.89	8.67	375.605		
1,439.28	1,438.09	1,172.83	1,171.42	4.96	4.16	-16.91	-3,203.55	-339.23	3,258.75	3,249.73	9.01	361.622		
1,481.98	1,480.78	1,216.37	1,214.86	5.11	4.33	-20.84	-3,206.57	-339.44	3,260.77	3,251.45	9.32	350.001		
1,524.68	1,523.46	1,409.63	1,407.86	5.26	5.04	-22.22	-3,215.88	-339.30	3,261.97	3,251.80	10.17	320.661		
1,567.38	1,566.14	1,568.34	1,566.56	5.41	5.57	-22.15	-3,216.59	-338.73	3,260.84	3,249.97	10.86	300.211		
1,610.08	1,608.83	1,604.06	1,602.27	5.56	5.69	-9.81	-3,216.20	-338.66	3,259.34	3,248.21	11.13	292.901		
1,652.78	1,651.52	1,648.51	1,646.72	5.70	5.83	14.74	-3,215.73	-338.58	3,258.21	3,246.79	11.42	285.254		
1,695.48	1,694.22	1,687.43	1,685.63	5.85	5.96	20.12	-3,215.35	-338.45	3,257.32	3,245.62	11.70	278.425		
1,738.18	1,736.92	1,741.63	1,739.83	6.00	6.13	33.43	-3,214.75	-338.28	3,256.34	3,244.31	12.03	270.765		
1,780.88	1,779.61	1,799.43	1,797.63	6.15	6.32	29.83	-3,213.85	-338.20	3,255.18	3,242.82	12.37	263.236		
1,823.58	1,822.31	1,848.92	1,847.11	6.30	6.48	22.32	-3,212.90	-338.19	3,253.86	3,241.18	12.68	256.624		
1,866.28	1,865.00	1,906.42	1,904.59	6.45	6.67	18.02	-3,211.62	-338.31	3,252.27	3,239.25	13.02	249.789		
1,908.98	1,907.69	1,963.95	1,962.09	6.59	6.86	21.13	-3,210.01	-338.45	3,250.33	3,236.97	13.36	243.266		
1,951.68	1,950.39	2,009.09	2,007.22	6.74	7.01	22.21	-3,208.67	-338.47	3,248.28	3,234.62	13.66	237.751		
1,994.38	1,993.08	2,049.98	2,048.09	6.89	7.15	21.85	-3,207.44	-338.49	3,246.15	3,232.20	13.95	232.691		
2,037.08	2,035.77	2,082.24	2,080.34	7.04	7.26	19.77	-3,206.53	-338.46	3,244.06	3,229.85	14.21	228.283		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 4CH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG, 2150-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
2,079.78	2,078.46	2,110.88	2,108.97	7.19	7.35	26.32	-3,205.84	-338.46	3,242.17	3,227.71	14.46	224.230		
2,122.48	2,121.15	2,152.55	2,146.45	7.34	7.49	22.32	-3,205.05	-338.42	3,240.46	3,225.71	14.75	219.671		
2,165.18	2,163.84	2,191.04	2,189.11	7.49	7.62	20.81	-3,204.20	-338.28	3,238.84	3,223.81	15.03	215.451		
2,200.00	2,198.65	2,205.46	2,203.53	7.55	7.67	20.81	-3,203.91	-338.24	3,237.59	3,222.45	15.15	213.758		
2,220.18	2,218.83	2,205.46	2,203.53	7.55	7.67	20.81	-3,203.91	-338.24	3,237.02	3,221.87	15.15	213.689		
2,300.00	2,298.64	2,263.06	2,261.12	7.56	7.87	-84.20	-3,203.30	-338.26	3,235.56	3,220.20	15.36	210.655		
2,306.92	2,305.56	2,266.37	2,264.43	7.57	7.88	-89.10	-3,203.30	-338.28	3,235.55	3,220.18	15.37	210.468		
2,400.00	2,398.59	2,300.00	2,298.06	7.59	8.00	-111.91	-3,203.48	-338.50	3,237.14	3,221.63	15.52	208.639		
2,500.00	2,498.36	2,358.62	2,356.67	7.64	8.21	-117.14	-3,204.66	-339.23	3,242.24	3,226.47	15.77	205.637		
2,600.00	2,597.86	2,400.00	2,398.01	7.71	8.36	-119.22	-3,206.18	-340.01	3,250.97	3,234.99	15.97	203.532		
2,700.00	2,696.94	2,453.27	2,451.19	7.79	8.55	-120.29	-3,208.94	-341.34	3,263.23	3,246.99	16.24	200.900		
2,730.19	2,726.76	2,467.43	2,465.32	7.83	8.60	-120.50	-3,209.83	-341.75	3,267.63	3,251.31	16.32	200.195		
2,800.00	2,795.64	2,500.00	2,497.79	7.91	8.72	-120.57	-3,212.13	-342.79	3,278.57	3,262.06	16.51	198.590		
2,900.00	2,894.31	2,546.64	2,544.24	8.05	8.89	-120.66	-3,216.01	-344.52	3,295.57	3,278.77	16.79	196.252		
3,000.00	2,992.99	2,600.00	2,597.28	8.22	9.09	-120.76	-3,221.32	-346.84	3,314.14	3,297.02	17.12	193.596		
3,100.00	3,091.66	2,639.13	2,636.10	8.40	9.24	-120.83	-3,225.79	-348.76	3,334.23	3,316.82	17.40	191.570		
3,200.00	3,190.34	2,700.00	2,696.36	8.61	9.47	-120.93	-3,233.74	-352.13	3,355.93	3,338.13	17.79	188.610		
3,300.00	3,289.01	2,736.20	2,724.54	8.83	9.61	-120.97	-3,237.87	-353.87	3,378.99	3,360.90	18.09	186.805		
3,400.00	3,387.69	2,825.24	2,819.94	9.07	9.97	-121.12	-3,252.44	-360.00	3,402.94	3,384.31	18.63	182.671		
3,500.00	3,486.36	2,921.94	2,915.35	9.33	10.35	-121.27	-3,267.02	-366.12	3,426.92	3,407.71	19.21	178.369		
3,600.00	3,585.03	3,018.65	3,010.75	9.60	10.74	-121.42	-3,281.59	-372.24	3,450.91	3,431.10	19.81	174.193		
3,700.00	3,683.71	3,115.35	3,106.15	9.88	11.14	-121.56	-3,296.17	-378.36	3,474.93	3,454.51	20.42	170.151		
3,800.00	3,782.38	3,212.06	3,201.56	10.18	11.53	-121.70	-3,310.74	-384.48	3,498.97	3,477.92	21.05	166.247		
3,900.00	3,881.06	3,308.76	3,296.96	10.48	11.94	-121.84	-3,325.31	-390.60	3,523.03	3,501.34	21.68	162.484		
4,000.00	3,979.73	3,405.47	3,392.37	10.80	12.34	-121.98	-3,339.89	-396.72	3,547.10	3,524.78	22.33	158.862		
4,100.00	4,078.41	3,502.18	3,487.77	11.13	12.75	-122.11	-3,354.46	-402.84	3,571.20	3,548.22	22.98	155.379		
4,200.00	4,177.08	3,601.12	3,583.18	11.46	13.16	-122.25	-3,369.04	-408.96	3,595.31	3,571.66	23.66	151.981		
4,300.00	4,275.76	3,704.41	3,678.58	11.80	13.60	-122.38	-3,383.61	-415.08	3,619.45	3,595.09	24.35	148.622		
4,400.00	4,374.43	3,807.71	3,773.99	12.15	14.04	-122.51	-3,398.19	-421.20	3,643.60	3,618.54	25.06	145.408		
4,500.00	4,473.10	3,889.00	3,869.39	12.51	14.39	-122.64	-3,412.76	-427.33	3,667.77	3,642.08	25.69	142.787		
4,600.00	4,571.78	3,985.70	3,964.80	12.87	14.81	-122.77	-3,427.33	-433.45	3,691.95	3,665.57	26.38	139.953		
4,700.00	4,670.45	4,082.41	4,060.20	13.23	15.22	-122.89	-3,441.91	-439.57	3,716.16	3,689.08	27.08	137.236		
4,800.00	4,769.13	4,179.11	4,155.60	13.60	15.64	-123.02	-3,456.48	-445.69	3,740.38	3,712.60	27.78	134.630		
4,900.00	4,867.80	4,275.82	4,251.01	13.98	16.06	-123.14	-3,471.06	-451.81	3,764.61	3,736.12	28.49	132.130		
5,000.00	4,966.48	4,372.52	4,346.41	14.36	16.48	-123.26	-3,485.63	-457.93	3,788.87	3,759.66	29.21	129.732		
5,100.00	5,065.15	4,469.23	4,441.82	14.75	16.90	-123.38	-3,500.20	-464.05	3,813.13	3,783.21	29.92	127.430		
5,200.00	5,163.82	4,565.93	4,537.22	15.13	17.33	-123.50	-3,514.78	-470.17	3,837.42	3,806.77	30.65	125.221		
5,300.00	5,262.50	4,662.64	4,632.63	15.52	17.75	-123.61	-3,529.35	-476.29	3,861.72	3,830.35	31.37	123.100		
5,400.00	5,361.17	4,759.34	4,728.03	15.92	18.18	-123.73	-3,543.93	-482.41	3,886.03	3,853.93	32.10	121.062		
5,500.00	5,459.85	4,856.05	4,823.44	16.32	18.60	-123.84	-3,558.50	-488.53	3,910.36	3,877.53	32.83	119.103		
5,600.00	5,558.52	4,952.75	4,918.84	16.71	19.03	-123.95	-3,573.08	-494.66	3,934.70	3,901.13	33.57	117.221		
5,700.00	5,657.20	5,049.46	5,014.24	17.12	19.45	-124.06	-3,587.65	-500.78	3,959.06	3,924.75	34.30	115.409		
5,800.00	5,755.87	5,146.16	5,109.65	17.52	19.88	-124.17	-3,602.22	-506.90	3,983.43	3,948.38	35.04	113.667		
5,900.00	5,854.54	5,242.87	5,205.05	17.93	20.31	-124.28	-3,616.80	-513.02	4,007.81	3,972.02	35.79	111.989		
6,000.00	5,953.22	5,339.57	5,300.46	18.34	20.74	-124.39	-3,631.37	-519.14	4,032.21	3,995.68	36.53	110.373		
6,100.00	6,051.89	5,436.28	5,395.86	18.75	21.17	-124.49	-3,645.95	-525.26	4,056.62	4,019.34	37.28	108.815		
6,200.00	6,150.57	5,532.98	5,491.27	19.16	21.60	-124.59	-3,660.52	-531.38	4,081.04	4,043.01	38.03	107.314		
6,300.00	6,249.24	5,629.69	5,586.67	19.57	22.03	-124.70	-3,675.10	-537.50	4,105.48	4,066.70	38.78	105.865		
6,400.00	6,347.92	5,726.39	5,682.08	19.99	22.46	-124.80	-3,689.67	-543.62	4,129.92	4,090.39	39.53	104.468		
6,500.00	6,446.59	5,823.10	5,777.48	20.41	22.89	-124.90	-3,704.24	-549.74	4,154.38	4,114.10	40.29	103.118		
6,600.00	6,545.26	5,919.81	5,872.89	20.82	23.32	-125.00	-3,718.82	-555.86	4,178.86	4,137.81	41.04	101.815		
6,700.00	6,643.94	6,016.51	5,968.29	21.24	23.75	-125.10	-3,733.39	-561.99	4,203.34	4,161.54	41.80	100.555		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 4CH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG, 2150-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
6,800.00	6,742.61	6,113.22	6,063.69	21.66	24.18	-125.19	-3,747.97	-568.11	4,227.83	4,185.27	42.56	99.337		
6,900.00	6,841.29	6,209.92	6,159.10	22.09	24.62	-125.29	-3,762.54	-574.23	4,252.34	4,209.02	43.32	98.159		
7,000.00	6,939.96	6,306.63	6,254.50	22.51	25.05	-125.38	-3,777.11	-580.35	4,276.86	4,232.77	44.08	97.019		
7,100.00	7,038.64	6,403.33	6,349.91	22.93	25.48	-125.48	-3,791.69	-586.47	4,301.39	4,256.54	44.85	95.915		
7,200.00	7,137.31	6,500.04	6,445.31	23.36	25.91	-125.57	-3,806.26	-592.59	4,325.92	4,280.32	45.61	94.847		
7,300.00	7,235.99	6,603.26	6,540.72	23.78	26.38	-125.66	-3,820.84	-598.71	4,350.47	4,304.07	46.40	93.760		
7,400.00	7,334.66	6,706.55	6,636.12	24.21	26.84	-125.75	-3,835.41	-604.83	4,375.03	4,327.84	47.19	92.708		
7,444.84	7,378.91	6,736.81	6,678.90	24.40	26.98	-125.79	-3,841.95	-607.58	4,386.05	4,338.57	47.49	92.367		
7,450.00	7,383.99	6,741.80	6,683.82	24.42	27.00	-123.85	-3,842.70	-607.89	4,387.32	4,339.79	47.52	92.316		
7,500.00	7,432.91	6,789.90	6,731.28	24.66	27.21	-111.00	-3,849.95	-610.94	4,399.53	4,351.60	47.93	91.795		
7,550.00	7,480.84	6,837.33	6,778.07	24.93	27.43	-103.92	-3,857.10	-613.94	4,411.55	4,363.19	48.36	91.220		
7,600.00	7,527.44	6,883.72	6,823.83	25.23	27.64	-99.36	-3,864.09	-616.87	4,423.33	4,374.51	48.83	90.595		
7,650.00	7,572.35	6,928.71	6,868.22	25.57	27.84	-96.11	-3,870.87	-619.72	4,434.82	4,385.51	49.32	89.923		
7,700.00	7,615.21	6,971.97	6,910.90	25.94	28.03	-93.63	-3,877.39	-622.46	4,445.98	4,396.14	49.84	89.207		
7,750.00	7,655.72	7,013.17	6,951.54	26.35	28.22	-91.66	-3,883.60	-625.07	4,456.79	4,406.40	50.39	88.449		
7,800.00	7,693.55	7,051.99	6,989.84	26.80	28.39	-90.04	-3,889.45	-627.53	4,467.21	4,416.24	50.97	87.648		
7,850.00	7,728.43	7,088.13	7,025.50	27.29	28.55	-88.68	-3,894.89	-629.81	4,477.25	4,425.68	51.58	86.808		
7,900.00	7,760.08	7,121.33	7,058.25	27.82	28.70	-87.51	-3,899.90	-631.91	4,486.90	4,434.68	52.22	85.929		
7,950.00	7,788.27	7,151.33	7,087.84	28.40	28.84	-86.48	-3,904.42	-633.81	4,496.15	4,443.27	52.89	85.014		
8,000.00	7,812.78	7,177.90	7,114.05	29.02	28.96	-85.57	-3,908.42	-635.49	4,505.01	4,451.42	53.59	84.068		
8,050.00	7,833.42	7,200.83	7,136.68	29.69	29.06	-84.74	-3,911.88	-636.95	4,513.47	4,459.15	54.32	83.095		
8,100.00	7,850.04	7,219.96	7,155.56	30.41	29.15	-83.99	-3,914.76	-638.16	4,521.52	4,466.45	55.07	82.104		
8,150.00	7,862.51	7,235.14	7,170.53	31.16	29.22	-83.28	-3,917.05	-639.12	4,529.16	4,473.31	55.84	81.104		
8,200.00	7,870.73	7,246.26	7,181.50	31.94	29.27	-82.63	-3,918.72	-639.82	4,536.37	4,479.74	56.63	80.106		
8,250.00	7,874.65	7,253.22	7,188.36	32.75	29.30	-82.01	-3,919.77	-640.26	4,543.12	4,485.70	57.42	79.121		
8,270.17	7,875.00	7,254.84	7,189.96	33.09	29.30	-81.78	-3,920.02	-640.36	4,545.71	4,487.97	57.74	78.730		
8,300.00	7,875.00	7,256.73	7,191.82	33.59	29.31	-81.80	-3,920.30	-640.48	4,549.58	4,491.36	58.21	78.155		
8,400.00	7,875.00	7,263.06	7,198.07	35.34	29.34	-81.88	-3,921.26	-640.89	4,563.93	4,504.06	59.87	76.228		
8,500.00	7,875.00	7,269.39	7,204.32	37.22	29.37	-81.96	-3,922.21	-641.29	4,580.42	4,518.80	61.61	74.340		
8,600.00	7,875.00	7,275.47	7,210.40	39.18	29.39	-81.99	-3,923.16	-641.69	4,596.91	4,533.63	63.40	72.440		
8,700.00	7,875.00	7,281.55	7,216.48	41.23	29.41	-81.99	-3,924.11	-642.09	4,613.40	4,548.52	65.24	70.530		
8,800.00	7,875.00	7,287.63	7,222.56	43.36	29.43	-81.94	-3,925.06	-642.49	4,630.89	4,563.43	67.12	68.610		
8,900.00	7,875.00	7,293.71	7,228.64	45.54	29.45	-81.94	-3,926.01	-642.89	4,648.38	4,578.34	69.04	66.690		
9,000.00	7,875.00	7,299.79	7,234.72	47.77	29.47	-81.94	-3,926.96	-643.29	4,665.87	4,593.25	71.00	64.770		
9,100.00	7,875.00	7,305.87	7,240.80	50.06	29.49	-81.94	-3,927.91	-643.69	4,683.36	4,608.16	73.00	62.850		
9,200.00	7,875.00	7,311.95	7,246.88	52.38	29.51	-81.94	-3,928.86	-644.09	4,700.85	4,623.07	75.04	60.930		
9,300.00	7,875.00	7,318.03	7,252.96	54.73	29.53	-81.94	-3,929.81	-644.49	4,718.34	4,637.98	77.12	59.010		
9,400.00	7,875.00	7,324.11	7,259.04	57.12	29.55	-81.94	-3,930.76	-644.89	4,735.83	4,652.89	79.24	57.090		
9,500.00	7,875.00	7,330.19	7,265.12	59.53	29.57	-81.94	-3,931.71	-645.29	4,753.32	4,667.80	81.40	55.170		
9,600.00	7,875.00	7,336.27	7,271.20	61.96	29.59	-81.94	-3,932.66	-645.69	4,770.81	4,682.71	83.60	53.250		
9,700.00	7,875.00	7,342.35	7,277.28	64.42	29.61	-81.94	-3,933.61	-646.09	4,788.30	4,697.62	85.84	51.330		
9,800.00	7,875.00	7,348.43	7,283.36	66.89	29.63	-81.94	-3,934.56	-646.49	4,805.79	4,712.53	88.12	49.410		
9,900.00	7,875.00	7,354.51	7,289.44	69.38	29.65	-81.94	-3,935.51	-646.89	4,823.28	4,727.44	90.44	47.490		
10,000.00	7,875.00	7,360.59	7,295.52	71.89	29.67	-81.94	-3,936.46	-647.29	4,840.77	4,742.35	92.80	45.570		
10,100.00	7,875.00	7,366.67	7,301.60	74.41	29.69	-81.94	-3,937.41	-647.69	4,858.26	4,757.26	95.20	43.650		
10,200.00	7,875.00	7,372.75	7,307.68	76.94	29.71	-81.94	-3,938.36	-648.09	4,875.75	4,772.17	97.64	41.730		
10,300.00	7,875.00	7,378.83	7,313.76	79.48	29.73	-81.94	-3,939.31	-648.49	4,893.24	4,787.08	100.12	39.810		
10,400.00	7,875.00	7,384.91	7,319.84	82.03	29.75	-81.94	-3,940.26	-648.89	4,910.73	4,801.99	102.64	37.890		
10,500.00	7,875.00	7,390.99	7,325.92	84.59	29.77	-81.94	-3,941.21	-649.29	4,928.22	4,816.90	105.20	35.970		
10,600.00	7,875.00	7,397.07	7,332.00	87.16	29.79	-81.94	-3,942.16	-649.69	4,945.71	4,831.81	107.80	34.050		
10,700.00	7,875.00	7,403.15	7,338.08	89.73	29.81	-81.94	-3,943.11	-650.09	4,963.20	4,846.72	110.44	32.130		
10,800.00	7,875.00	7,409.23	7,344.16	92.31	29.83	-81.94	-3,944.06	-650.49	4,980.69	4,861.63	113.12	30.210		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 4CH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG, 2150-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
10,900.00	7,875.00	10,967.47	7,950.00	94.90	92.14	-91.44	-4,037.73	-3,843.15	4,581.60	4,395.44	186.16	24.611		
11,000.00	7,875.00	11,067.47	7,950.00	97.49	94.67	-91.44	-4,037.78	-3,943.15	4,581.63	4,390.32	191.31	23.948		
11,100.00	7,875.00	11,167.47	7,950.00	100.09	97.22	-91.44	-4,037.84	-4,043.15	4,581.67	4,385.19	196.48	23.319		
11,200.00	7,875.00	11,267.47	7,950.00	102.69	99.77	-91.44	-4,037.89	-4,143.15	4,581.71	4,380.05	201.65	22.721		
11,300.00	7,875.00	11,367.47	7,950.00	105.30	102.32	-91.44	-4,037.94	-4,243.15	4,581.74	4,374.91	206.84	22.152		
11,400.00	7,875.00	11,467.47	7,950.00	107.91	104.89	-91.44	-4,037.99	-4,343.15	4,581.78	4,369.75	212.03	21.609		
11,500.00	7,875.00	11,567.47	7,950.00	110.53	107.46	-91.44	-4,038.04	-4,443.15	4,581.81	4,364.58	217.24	21.091		
11,600.00	7,875.00	11,667.47	7,950.00	113.15	110.04	-91.44	-4,038.09	-4,543.15	4,581.85	4,359.40	222.45	20.597		
11,700.00	7,875.00	11,767.47	7,950.00	115.77	112.62	-91.44	-4,038.14	-4,643.15	4,581.89	4,354.22	227.67	20.125		
11,800.00	7,875.00	11,867.47	7,950.00	118.40	115.21	-91.44	-4,038.19	-4,743.15	4,581.92	4,349.03	232.90	19.674		
11,900.00	7,875.00	11,967.47	7,950.00	121.03	117.80	-91.44	-4,038.24	-4,843.15	4,581.96	4,343.83	238.13	19.241		
12,000.00	7,875.00	12,067.47	7,950.00	123.66	120.40	-91.44	-4,038.30	-4,943.15	4,582.00	4,338.62	243.37	18.827		
12,100.00	7,875.00	12,167.47	7,950.00	126.29	123.00	-91.44	-4,038.35	-5,043.15	4,582.03	4,333.41	248.62	18.430		
12,200.00	7,875.00	12,267.47	7,950.00	128.93	125.60	-91.44	-4,038.40	-5,143.15	4,582.07	4,328.20	253.87	18.049		
12,300.00	7,875.00	12,367.47	7,950.00	131.57	128.21	-91.44	-4,038.45	-5,243.15	4,582.11	4,322.98	259.13	17.683		
12,400.00	7,875.00	12,467.47	7,950.00	134.21	130.82	-91.44	-4,038.50	-5,343.15	4,582.14	4,317.75	264.39	17.331		
12,500.00	7,875.00	12,567.47	7,950.00	136.85	133.44	-91.44	-4,038.55	-5,443.15	4,582.18	4,312.52	269.66	16.992		
12,600.00	7,875.00	12,667.47	7,950.00	139.49	136.05	-91.44	-4,038.60	-5,543.15	4,582.22	4,307.28	274.93	16.667		
12,700.00	7,875.00	12,767.47	7,950.00	142.14	138.67	-91.44	-4,038.65	-5,643.15	4,582.25	4,302.04	280.21	16.353		
12,800.00	7,875.00	12,867.47	7,950.00	144.79	141.30	-91.44	-4,038.70	-5,743.15	4,582.29	4,296.80	285.49	16.051		
12,900.00	7,875.00	12,967.47	7,950.00	147.44	143.92	-91.44	-4,038.76	-5,843.15	4,582.33	4,291.55	290.77	15.759		
13,000.00	7,875.00	13,067.47	7,950.00	150.09	146.55	-91.44	-4,038.81	-5,943.15	4,582.36	4,286.30	296.06	15.478		
13,100.00	7,875.00	13,167.47	7,950.00	152.74	149.18	-91.44	-4,038.86	-6,043.15	4,582.40	4,281.05	301.35	15.206		
13,200.00	7,875.00	13,267.47	7,950.00	155.39	151.81	-91.44	-4,038.91	-6,143.15	4,582.44	4,275.79	306.65	14.944		
13,300.00	7,875.00	13,367.47	7,950.00	158.05	154.45	-91.44	-4,038.96	-6,243.15	4,582.47	4,270.53	311.94	14.690		
13,400.00	7,875.00	13,467.47	7,950.00	160.70	157.08	-91.44	-4,039.01	-6,343.15	4,582.51	4,265.27	317.24	14.445		
13,500.00	7,875.00	13,567.47	7,950.00	163.36	159.72	-91.44	-4,039.06	-6,443.15	4,582.55	4,260.00	322.54	14.207		
13,600.00	7,875.00	13,667.47	7,950.00	166.02	162.36	-91.44	-4,039.11	-6,543.15	4,582.58	4,254.73	327.85	13.978		
13,700.00	7,875.00	13,767.47	7,950.00	168.68	165.00	-91.44	-4,039.16	-6,643.15	4,582.62	4,249.46	333.16	13.755		
13,800.00	7,875.00	13,867.47	7,950.00	171.34	167.65	-91.44	-4,039.22	-6,743.15	4,582.66	4,244.19	338.47	13.539		
13,900.00	7,875.00	13,967.47	7,950.00	174.00	170.29	-91.44	-4,039.27	-6,843.15	4,582.69	4,238.91	343.78	13.330		
14,000.00	7,875.00	14,067.47	7,950.00	176.66	172.94	-91.44	-4,039.32	-6,943.15	4,582.73	4,233.64	349.09	13.128		
14,100.00	7,875.00	14,167.47	7,950.00	179.33	175.59	-91.44	-4,039.37	-7,043.15	4,582.77	4,228.36	354.41	12.931		
14,200.00	7,875.00	14,267.47	7,950.00	181.99	178.23	-91.44	-4,039.42	-7,143.15	4,582.80	4,223.08	359.73	12.740		
14,300.00	7,875.00	14,367.47	7,950.00	184.66	180.88	-91.44	-4,039.47	-7,243.15	4,582.84	4,217.79	365.05	12.554		
14,400.00	7,875.00	14,467.47	7,950.00	187.32	183.54	-91.44	-4,039.52	-7,343.15	4,582.87	4,212.51	370.37	12.374		
14,500.00	7,875.00	14,567.47	7,950.00	189.99	186.19	-91.44	-4,039.57	-7,443.15	4,582.91	4,207.22	375.69	12.199		
14,600.00	7,875.00	14,667.47	7,950.00	192.66	188.84	-91.44	-4,039.62	-7,543.15	4,582.95	4,201.93	381.02	12.028		
14,700.00	7,875.00	14,767.47	7,950.00	195.32	191.50	-91.44	-4,039.68	-7,643.15	4,582.98	4,196.64	386.34	11.862		
14,800.00	7,875.00	14,867.47	7,950.00	197.99	194.15	-91.44	-4,039.73	-7,743.15	4,583.02	4,191.35	391.67	11.701		
14,900.00	7,875.00	14,967.47	7,950.00	200.66	196.81	-91.44	-4,039.78	-7,843.15	4,583.06	4,186.06	397.00	11.544		
15,000.00	7,875.00	15,067.47	7,950.00	203.33	199.47	-91.44	-4,039.83	-7,943.15	4,583.09	4,180.76	402.33	11.391		
15,100.00	7,875.00	15,167.47	7,950.00	206.00	202.12	-91.44	-4,039.88	-8,043.15	4,583.13	4,175.47	407.66	11.242		
15,200.00	7,875.00	15,267.47	7,950.00	208.67	204.78	-91.44	-4,039.93	-8,143.15	4,583.17	4,170.17	413.00	11.097		
15,300.00	7,875.00	15,367.47	7,950.00	211.34	207.44	-91.44	-4,039.98	-8,243.15	4,583.20	4,164.87	418.33	10.956		
15,400.00	7,875.00	15,467.47	7,950.00	214.01	210.10	-91.44	-4,040.03	-8,343.15	4,583.24	4,159.57	423.67	10.818		
15,500.00	7,875.00	15,567.47	7,950.00	216.69	212.77	-91.44	-4,040.08	-8,443.15	4,583.28	4,154.27	429.00	10.684		
15,600.00	7,875.00	15,667.47	7,950.00	219.36	215.43	-91.44	-4,040.14	-8,543.15	4,583.31	4,148.97	434.34	10.552		
15,700.00	7,875.00	15,767.47	7,950.00	222.03	218.09	-91.44	-4,040.19	-8,643.15	4,583.35	4,143.67	439.68	10.424		
15,800.00	7,875.00	15,867.47	7,950.00	224.71	220.75	-91.44	-4,040.24	-8,743.15	4,583.39	4,138.37	445.02	10.299		
15,900.00	7,875.00	15,967.47	7,950.00	227.38	223.42	-91.44	-4,040.29	-8,843.15	4,583.42	4,133.06	450.36	10.177		
16,000.00	7,875.00	16,067.47	7,950.00	230.05	226.08	-91.44	-4,040.34	-8,943.15	4,583.46	4,127.76	455.70	10.058		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 4CH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG, 2150-MWD OWSG													Offset Well Error:	0.00 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)	Minimum Separation (usft)	Separation Factor		
16,100.00	7,875.00	16,167.47	7,950.00	232.73	228.75	-91.44	-4,040.39	-9,043.15	4,583.50	4,122.45	461.05	9.942		
16,200.00	7,875.00	16,267.47	7,950.00	235.40	231.42	-91.44	-4,040.44	-9,143.15	4,583.53	4,117.14	466.39	9.828		
16,300.00	7,875.00	16,367.47	7,950.00	238.08	234.08	-91.44	-4,040.49	-9,243.15	4,583.57	4,111.84	471.73	9.716		
16,400.00	7,875.00	16,467.47	7,950.00	240.76	236.75	-91.44	-4,040.54	-9,343.15	4,583.61	4,106.53	477.08	9.608		
16,500.00	7,875.00	16,567.47	7,950.00	243.43	239.42	-91.44	-4,040.60	-9,443.15	4,583.64	4,101.22	482.43	9.501		
16,600.00	7,875.00	16,667.47	7,950.00	246.11	242.09	-91.44	-4,040.65	-9,543.15	4,583.68	4,095.91	487.77	9.397		
16,700.00	7,875.00	16,767.47	7,950.00	248.78	244.75	-91.44	-4,040.70	-9,643.15	4,583.72	4,090.60	493.12	9.295		
16,800.00	7,875.00	16,867.47	7,950.00	251.46	247.42	-91.44	-4,040.75	-9,743.15	4,583.75	4,085.28	498.47	9.196		
16,900.00	7,875.00	16,967.47	7,950.00	254.14	250.09	-91.44	-4,040.80	-9,843.15	4,583.79	4,079.97	503.82	9.098		
17,000.00	7,875.00	17,067.47	7,950.00	256.82	252.76	-91.44	-4,040.85	-9,943.15	4,583.83	4,074.66	509.17	9.003		
17,100.00	7,875.00	17,167.47	7,950.00	259.50	255.43	-91.44	-4,040.90	-10,043.15	4,583.86	4,069.34	514.52	8.909		
17,200.00	7,875.00	17,267.47	7,950.00	262.17	258.11	-91.44	-4,040.95	-10,143.15	4,583.90	4,064.03	519.87	8.817		
17,300.00	7,875.00	17,367.47	7,950.00	264.85	260.78	-91.44	-4,041.00	-10,243.15	4,583.93	4,058.71	525.22	8.728		
17,400.00	7,875.00	17,467.47	7,950.00	267.53	263.45	-91.44	-4,041.05	-10,343.15	4,583.97	4,053.40	530.57	8.640		
17,500.00	7,875.00	17,567.47	7,950.00	270.21	266.12	-91.44	-4,041.11	-10,443.15	4,584.01	4,048.08	535.92	8.553		
17,600.00	7,875.00	17,667.47	7,950.00	272.89	268.79	-91.44	-4,041.16	-10,543.15	4,584.04	4,042.77	541.28	8.469		
17,700.00	7,875.00	17,767.47	7,950.00	275.57	271.47	-91.44	-4,041.21	-10,643.15	4,584.08	4,037.45	546.63	8.386		
17,800.00	7,875.00	17,867.47	7,950.00	278.25	274.14	-91.44	-4,041.26	-10,743.15	4,584.12	4,032.13	551.99	8.305		
17,900.00	7,875.00	17,967.47	7,950.00	280.93	276.81	-91.44	-4,041.31	-10,843.15	4,584.15	4,026.81	557.34	8.225		
18,000.00	7,875.00	18,067.47	7,950.00	283.61	279.49	-91.44	-4,041.36	-10,943.15	4,584.19	4,021.49	562.70	8.147		
18,100.00	7,875.00	18,167.47	7,950.00	286.29	282.16	-91.44	-4,041.41	-11,043.15	4,584.23	4,016.17	568.05	8.070		
18,200.00	7,875.00	18,267.47	7,950.00	288.97	284.84	-91.44	-4,041.46	-11,143.15	4,584.26	4,010.85	573.41	7.995		
18,300.00	7,875.00	18,367.47	7,950.00	291.65	287.51	-91.44	-4,041.51	-11,243.15	4,584.30	4,005.53	578.77	7.921		
18,400.00	7,875.00	18,467.47	7,950.00	294.33	290.19	-91.44	-4,041.57	-11,343.15	4,584.34	4,000.21	584.12	7.848		
18,500.00	7,875.00	18,567.47	7,950.00	297.01	292.86	-91.44	-4,041.62	-11,443.15	4,584.37	3,994.89	589.48	7.777		
18,600.00	7,875.00	18,667.47	7,950.00	299.69	295.54	-91.44	-4,041.67	-11,543.15	4,584.41	3,989.57	594.84	7.707		
18,700.00	7,875.00	18,767.47	7,950.00	302.38	298.21	-91.44	-4,041.72	-11,643.15	4,584.45	3,984.25	600.20	7.638		
18,800.00	7,875.00	18,867.47	7,950.00	305.06	300.89	-91.44	-4,041.77	-11,743.15	4,584.48	3,978.93	605.56	7.571		
18,900.00	7,875.00	18,967.47	7,950.00	307.74	303.57	-91.44	-4,041.82	-11,843.15	4,584.52	3,973.60	610.92	7.504		
19,000.00	7,875.00	19,067.47	7,950.00	310.42	306.24	-91.44	-4,041.87	-11,943.15	4,584.56	3,968.28	616.28	7.439		
19,100.00	7,875.00	19,167.47	7,950.00	313.10	308.92	-91.44	-4,041.92	-12,043.15	4,584.59	3,962.96	621.64	7.375		
19,200.00	7,875.00	19,267.47	7,950.00	315.79	311.60	-91.44	-4,041.97	-12,143.15	4,584.63	3,957.63	627.00	7.312		
19,300.00	7,875.00	19,367.47	7,950.00	318.47	314.28	-91.44	-4,042.03	-12,243.15	4,584.67	3,952.31	632.36	7.250		
19,400.00	7,875.00	19,467.47	7,950.00	321.15	316.95	-91.44	-4,042.08	-12,343.15	4,584.70	3,946.98	637.72	7.189		
19,500.00	7,875.00	19,567.47	7,950.00	323.83	319.63	-91.44	-4,042.13	-12,443.15	4,584.74	3,941.66	643.08	7.129		
19,600.00	7,875.00	19,667.47	7,950.00	326.52	322.31	-91.44	-4,042.18	-12,543.15	4,584.78	3,936.33	648.44	7.070		
19,700.00	7,875.00	19,767.47	7,950.00	329.20	324.99	-91.44	-4,042.23	-12,643.15	4,584.81	3,931.01	653.80	7.013		
19,800.00	7,875.00	19,867.47	7,950.00	331.88	327.67	-91.44	-4,042.28	-12,743.15	4,584.85	3,925.68	659.17	6.956		
19,900.00	7,875.00	19,967.47	7,950.00	334.57	330.35	-91.44	-4,042.33	-12,843.15	4,584.89	3,920.36	664.53	6.899		
20,000.00	7,875.00	20,067.47	7,950.00	337.25	333.02	-91.44	-4,042.38	-12,943.15	4,584.92	3,915.03	669.89	6.844		
20,100.00	7,875.00	20,167.47	7,950.00	339.93	335.70	-91.44	-4,042.43	-13,043.15	4,584.96	3,909.70	675.25	6.790		
20,200.00	7,875.00	20,267.47	7,950.00	342.62	338.38	-91.44	-4,042.49	-13,143.15	4,584.99	3,904.38	680.62	6.737		
20,300.00	7,875.00	20,367.47	7,950.00	345.30	341.06	-91.44	-4,042.54	-13,243.15	4,585.03	3,899.05	685.98	6.684		
20,400.00	7,875.00	20,467.47	7,950.00	347.99	343.74	-91.44	-4,042.59	-13,343.15	4,585.07	3,893.72	691.35	6.632		
20,500.00	7,875.00	20,567.47	7,950.00	350.67	346.42	-91.44	-4,042.64	-13,443.15	4,585.10	3,888.39	696.71	6.581		
20,600.00	7,875.00	20,667.47	7,950.00	353.35	349.10	-91.44	-4,042.69	-13,543.15	4,585.14	3,883.07	702.07	6.531		
20,700.00	7,875.00	20,767.47	7,950.00	356.04	351.78	-91.44	-4,042.74	-13,643.15	4,585.18	3,877.74	707.44	6.481		
20,800.00	7,875.00	20,867.47	7,950.00	358.72	354.46	-91.44	-4,042.79	-13,743.15	4,585.21	3,872.41	712.80	6.433		
20,900.00	7,875.00	20,967.47	7,950.00	361.41	357.14	-91.44	-4,042.84	-13,843.15	4,585.25	3,867.08	718.17	6.385		
21,000.00	7,875.00	21,067.47	7,950.00	364.09	359.82	-91.44	-4,042.89	-13,943.15	4,585.29	3,861.75	723.54	6.337		
21,100.00	7,875.00	21,167.47	7,950.00	366.78	362.51	-91.44	-4,042.95	-14,043.15	4,585.32	3,856.42	728.90	6.291		
21,200.00	7,875.00	21,267.47	7,950.00	369.46	365.19	-91.44	-4,043.00	-14,143.15	4,585.36	3,851.09	734.27	6.245		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

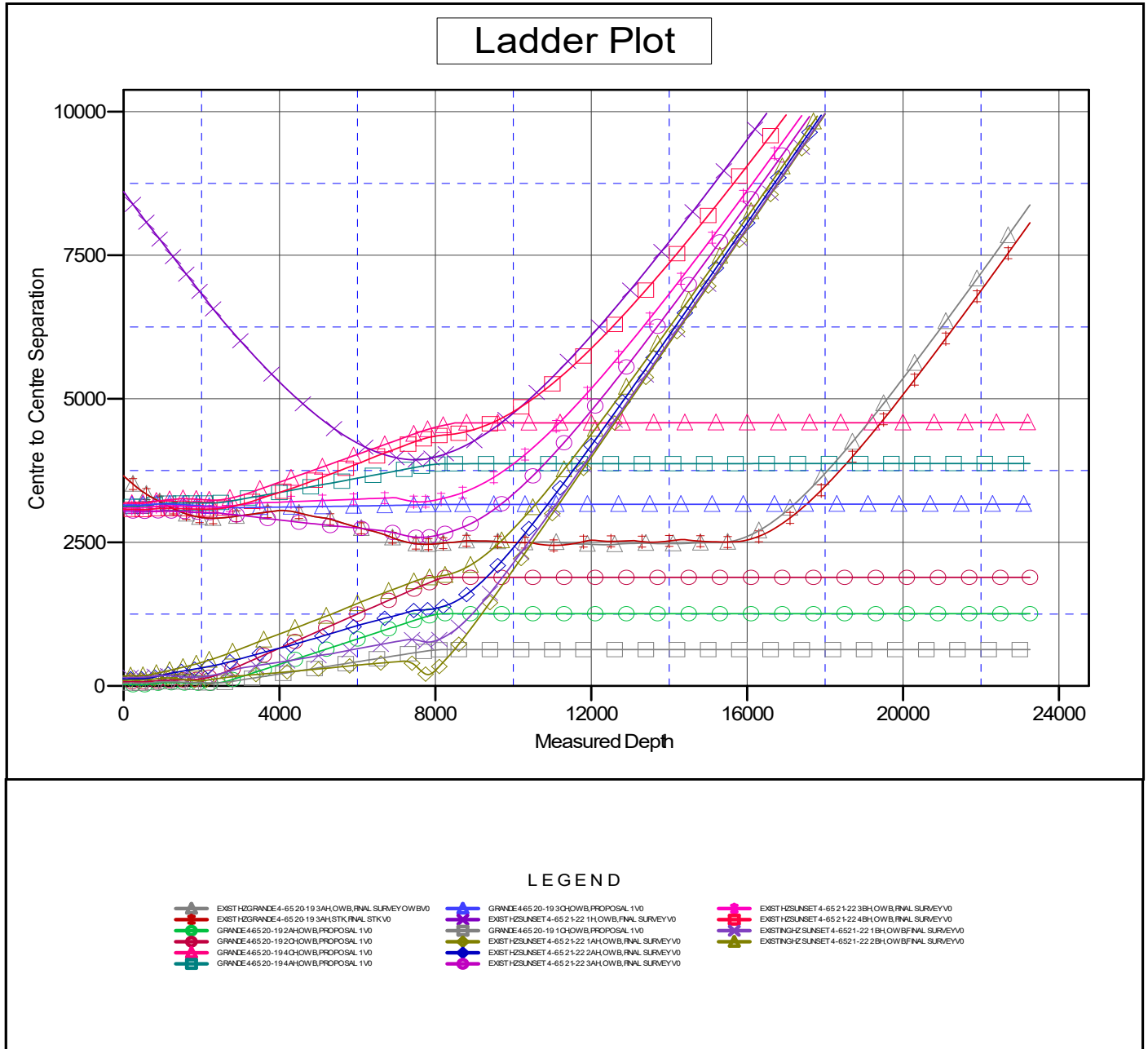
Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 4CH - OWB - PROPOSAL 1												Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG, 2150-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured 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)	Minimum Separation (usft)	Separation Factor	
21,300.00	7,875.00	21,367.47	7,950.00	372.15	367.87	-91.44	-4,043.05	-14,243.15	4,585.40	3,845.76	739.63	6.200	
21,400.00	7,875.00	21,467.47	7,950.00	374.83	370.55	-91.44	-4,043.10	-14,343.15	4,585.43	3,840.43	745.00	6.155	
21,500.00	7,875.00	21,567.47	7,950.00	377.52	373.23	-91.44	-4,043.15	-14,443.15	4,585.47	3,835.10	750.37	6.111	
21,600.00	7,875.00	21,667.47	7,950.00	380.20	375.91	-91.44	-4,043.20	-14,543.15	4,585.51	3,829.77	755.73	6.068	
21,700.00	7,875.00	21,767.47	7,950.00	382.89	378.59	-91.44	-4,043.25	-14,643.15	4,585.54	3,824.44	761.10	6.025	
21,800.00	7,875.00	21,867.47	7,950.00	385.57	381.28	-91.44	-4,043.30	-14,743.15	4,585.58	3,819.11	766.47	5.983	
21,900.00	7,875.00	21,967.47	7,950.00	388.26	383.96	-91.44	-4,043.35	-14,843.15	4,585.62	3,813.78	771.83	5.941	
22,000.00	7,875.00	22,067.47	7,950.00	390.94	386.64	-91.44	-4,043.41	-14,943.15	4,585.65	3,808.45	777.20	5.900	
22,100.00	7,875.00	22,167.47	7,950.00	393.63	389.32	-91.44	-4,043.46	-15,043.15	4,585.69	3,803.12	782.57	5.860	
22,200.00	7,875.00	22,267.47	7,950.00	396.31	392.00	-91.44	-4,043.51	-15,143.15	4,585.73	3,797.79	787.94	5.820	
22,300.00	7,875.00	22,367.47	7,950.00	399.00	394.69	-91.44	-4,043.56	-15,243.15	4,585.76	3,792.46	793.31	5.781	
22,400.00	7,875.00	22,467.47	7,950.00	401.69	397.37	-91.44	-4,043.61	-15,343.15	4,585.80	3,787.12	798.67	5.742	
22,500.00	7,875.00	22,567.47	7,950.00	404.37	400.05	-91.44	-4,043.66	-15,443.15	4,585.84	3,781.79	804.04	5.703	
22,600.00	7,875.00	22,667.47	7,950.00	407.06	402.74	-91.44	-4,043.71	-15,543.15	4,585.87	3,776.46	809.41	5.666	
22,700.00	7,875.00	22,767.47	7,950.00	409.74	405.42	-91.44	-4,043.76	-15,643.15	4,585.91	3,771.13	814.78	5.628	
22,800.00	7,875.00	22,867.47	7,950.00	412.43	408.10	-91.44	-4,043.81	-15,743.15	4,585.94	3,765.80	820.15	5.592	
22,900.00	7,875.00	22,967.47	7,950.00	415.12	410.78	-91.44	-4,043.87	-15,843.15	4,585.98	3,760.46	825.52	5.555	
23,000.00	7,875.00	23,067.47	7,950.00	417.80	413.47	-91.44	-4,043.92	-15,943.15	4,586.02	3,755.13	830.89	5.519	
23,100.00	7,875.00	23,167.47	7,950.00	420.49	416.15	-91.44	-4,043.97	-16,043.15	4,586.05	3,749.80	836.26	5.484	
23,200.00	7,875.00	23,267.47	7,950.00	423.18	418.83	-91.44	-4,044.02	-16,143.15	4,586.09	3,744.46	841.63	5.449	
23,258.24	7,875.00	23,320.57	7,950.00	424.74	420.26	-91.44	-4,044.05	-16,196.25	4,586.12	3,741.50	844.62	5.430 SF	

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB 24' @ 5683.40usft
Offset Depths are relative to Offset Datum
Central Meridian is 105.500000°W

Coordinates are relative to: GRANDE 4-65 20-19 1AH
Coordinate System is US State Plane 1983, Colorado Central Zone
Grid Convergence at Surface is: 0.52°



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

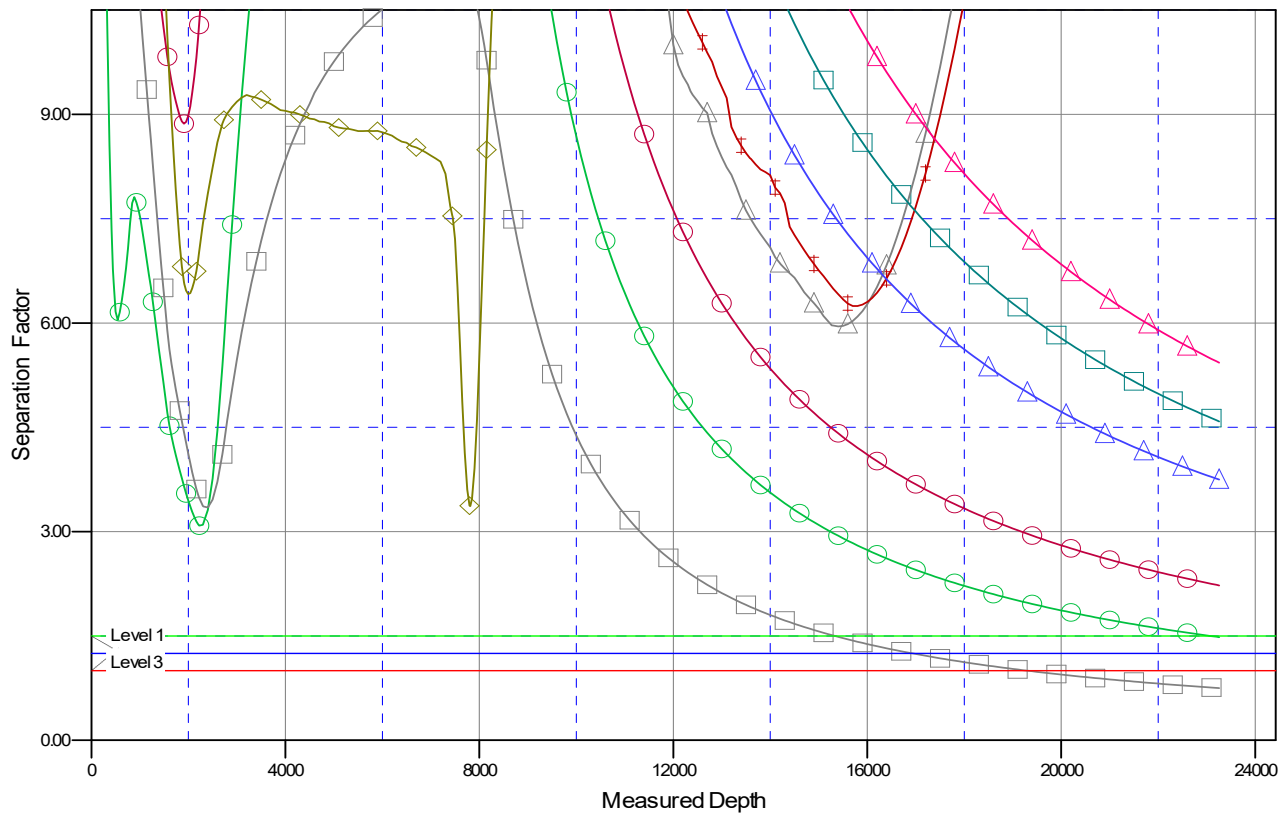
Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 1AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5683.40usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5683.40usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 1AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB 24' @ 5683.40usft
 Offset Depths are relative to Offset Datum
 Central Meridian is 105.500000°W

Coordinates are relative to: GRANDE 4-65 20-19 1AH
 Coordinate System is US State Plane 1983, Colorado Central Zone
 Grid Convergence at Surface is: 0.52°

Separation Factor Plot



LEGEND

EXIST H2GRANDE4-6520-193AH,OWB,FINAL SURVEY,OWB.V0	GRANDE4-6520-193CH,OWB,PROPOSAL 1.V0	EXIST H2SUNSET4-6521-223BH,OWB,FINAL SURVEY.V0
EXIST H2GRANDE4-6520-193AH,STK,FINAL STK.V0	EXIST H2SUNSET4-6521-221H,OWB,FINAL SURVEY.V0	EXIST H2SUNSET4-6521-224BH,OWB,FINAL SURVEY.V0
GRANDE4-6520-192AH,OWB,PROPOSAL 1.V0	GRANDE4-6520-191CH,OWB,PROPOSAL 1.V0	EXIST H2SUNSET4-6521-221BH,OWB,FINAL SURVEY.V0
GRANDE4-6520-192CH,OWB,PROPOSAL 1.V0	EXIST H2SUNSET4-6521-221AH,OWB,FINAL SURVEY.V0	EXIST H2SUNSET4-6521-222BH,OWB,FINAL SURVEY.V0
GRANDE4-6520-194CH,OWB,PROPOSAL 1.V0	EXIST H2SUNSET4-6521-222AH,OWB,FINAL SURVEY.V0	
GRANDE4-6520-194H,OWB,PROPOSAL 1.V0	EXIST H2SUNSET4-6521-223AH,OWB,FINAL SURVEY.V0	