

# **CIVITAS RESOURCES**

**ARAPAHOE COUNTY**

**SEC 21-T4S-R65W**

**GRANDE 4-65 20-19 1CH**

**OWB**

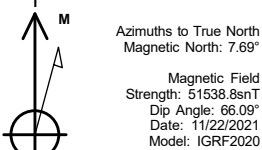
**Plan: PROPOSAL 1**

## **Standard Planning Report**

**24 November, 2021**



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



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

5660.20					
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	1678766.26	3231984.05	39.694124°N	104.675614°W

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Target
1	2122.48	0.93	82.98	2121.87	4.20	-17.75	0.00	0.00	17.73	
2	2177.48	0.93	82.98	2176.86	4.31	-16.86	0.00	0.00	16.85	
3	2599.85	7.52	265.88	2598.15	2.74	-41.06	2.00	-177.41	41.05	
4	7495.63	7.52	265.88	7451.84	-43.25	-680.00	0.00	0.00	680.13	
5	8320.64	90.00	269.99	7950.00	-48.04	-1248.05	10.00	4.14	1248.19	GRANDE 4-65 1CH-LP
6	23306.83	90.00	269.99	7950.00	-50.20	-16234.24	0.00	0.00	16234.32	GRANDE 4-65 1CH-PBHL

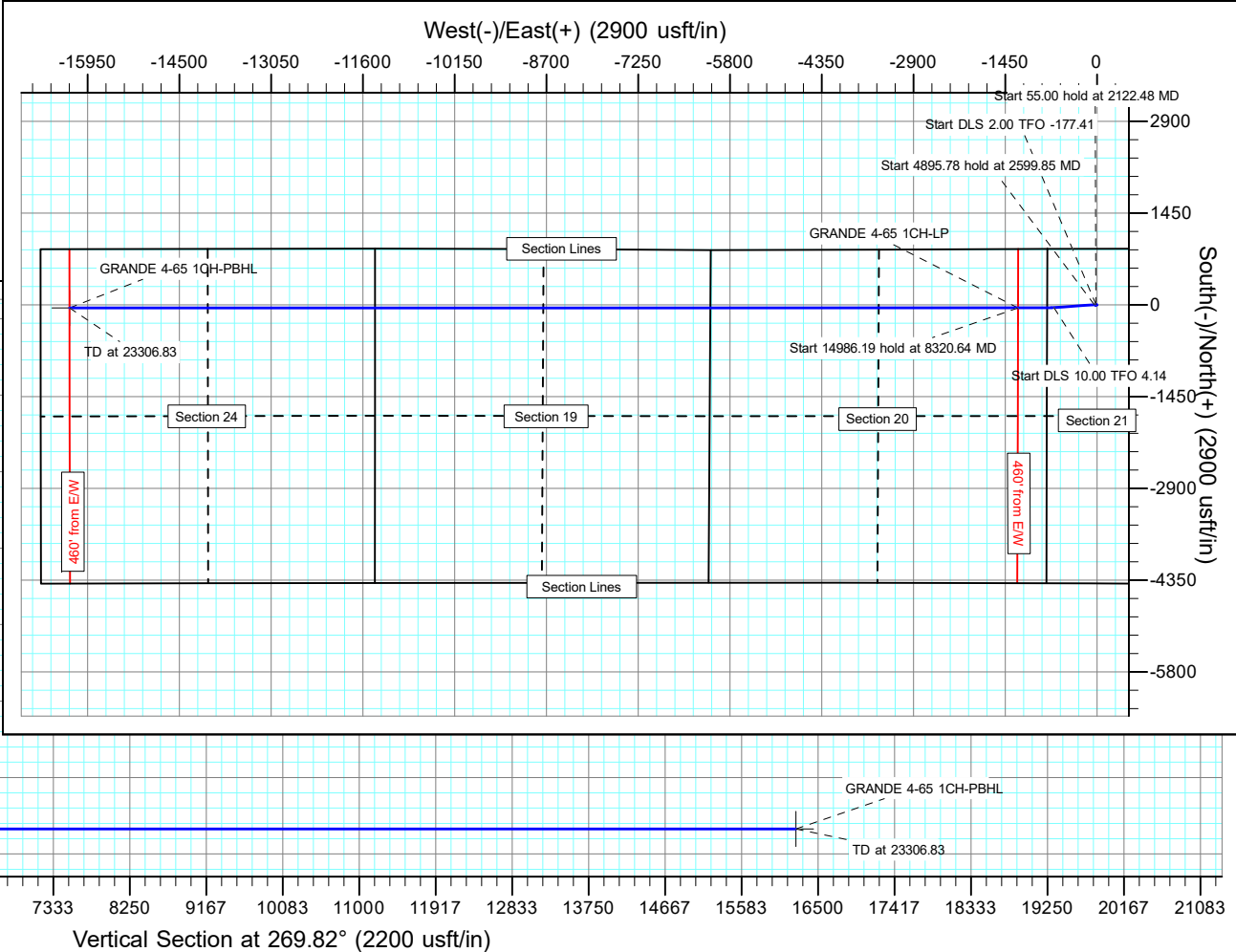
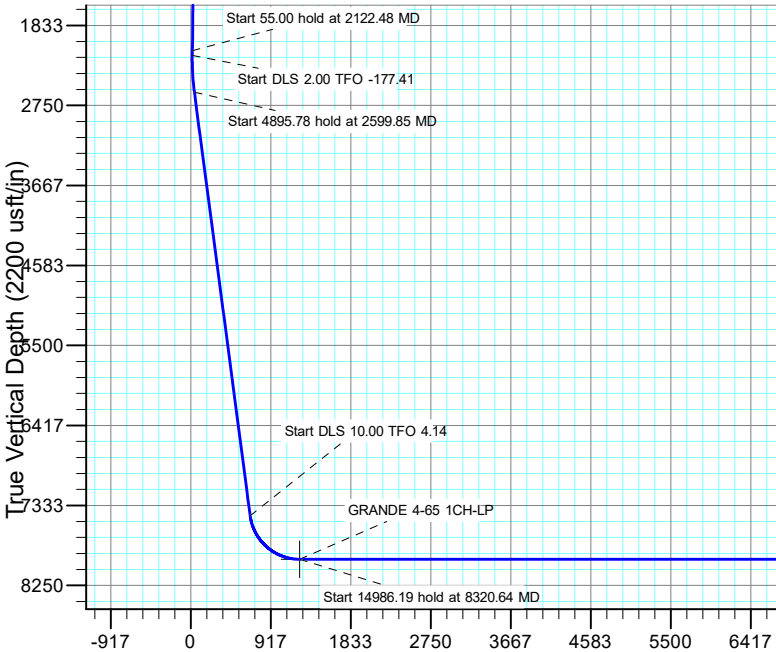
ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	VSec	Departure	Annotation
2122.48	0.93	82.98	2121.87	4.20	-17.75	17.73	0.00	Start 55.00 hold at 2122.48 MD
2177.48	0.93	82.98	2176.86	4.31	-16.86	16.85	0.89	Start DLS 2.00 TFO -177.41
2599.85	7.52	265.88	2598.15	2.74	-41.06	41.05	26.54	Start 4895.78 hold at 2599.85 MD
7495.63	7.52	265.88	7451.84	-43.25	-680.00	680.13	667.12	Start DLS 10.00 TFO 4.14
8320.64	90.00	269.99	7950.00	-48.04	-1248.05	1248.19	1235.22	Start 14986.19 hold at 8320.64 MD
23306.83	90.00	269.99	7950.00	-50.20	-16234.24	16234.32	16221.41	TD at 23306.83

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:  
885' FNL, 788' FWL  
SEC 21-T4S-R65W  
  
LP:  
930' FNL, 460' FEL  
SEC 20-T4S-R65W  
  
BHL:  
930' FNL, 460' FWL  
SEC 24-T4S-R66W



## Planning Report

<b>Database:</b>	EDT_32Bit_ODBC	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Company:</b>	CIVITAS RESOURCES	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Project:</b>	ARAPAHOE COUNTY	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site:</b>	SEC 21-T4S-R65W	<b>North Reference:</b>	True
<b>Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OWB		
<b>Design:</b>	PROPOSAL 1		

<b>Project</b>	ARAPAHOE COUNTY		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Colorado Central Zone		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 1CH					
Well Position	+N/-S	1,757.22 usft	Northing:	1,678,766.26 usft	Latitude:	39.694124°N
	+E/-W	792.73 usft	Easting:	3,231,984.06 usft	Longitude:	104.675614°W
Position Uncertainty		0.00 usft	Wellhead Elevation:		Ground Level:	5,660.20 usft

<b>Wellbore</b>	OWB				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2020	11/22/2021	7.69	66.09	51,538.80904607

<b>Design</b>	PROPOSAL 1				
<b>Audit Notes:</b>					
<b>Version:</b>		<b>Phase:</b>	PROTOTYPE	<b>Tie On Depth:</b>	2,122.48
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Direction (°)</b>	
	0.00	0.00	0.00	269.82	

<b>Plan Survey Tool Program</b>	<b>Date</b>	11/24/2021			
<b>Depth From (usft)</b>	<b>Depth To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Remarks</b>	
1	29.48	2,122.48	SURFACE SURVEY (OWB)	MWD OWSG	
				OWSG MWD - Standard	
2	2,122.48	23,306.83	PROPOSAL 1 (OWB)	MWD OWSG	
				OWSG MWD - Standard	

<b>Plan Sections</b>										
<b>Measured Depth (usft)</b>	<b>Inclination (°)</b>	<b>Azimuth (°)</b>	<b>Vertical Depth (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Dogleg Rate (°/100ft)</b>	<b>Build Rate (°/100ft)</b>	<b>Turn Rate (°/100ft)</b>	<b>TFO (°)</b>	<b>Target</b>
2,122.48	0.93	82.98	2,121.87	4.20	-17.75	0.00	0.00	0.00	0.00	
2,177.48	0.93	82.98	2,176.86	4.31	-16.86	0.00	0.00	0.00	0.00	
2,599.85	7.52	265.88	2,598.15	2.74	-41.06	2.00	1.56	-41.93	-177.41	
7,495.63	7.52	265.88	7,451.84	-43.25	-680.00	0.00	0.00	0.00	0.00	
8,320.64	90.00	269.99	7,950.00	-48.04	-1,248.05	10.00	10.00	0.50	4.14	GRANDE 4-65 1CH-L
23,306.83	90.00	269.99	7,950.00	-50.20	-16,234.24	0.00	0.00	0.00	0.00	GRANDE 4-65 1CH-F

# Planning Report

<b>Database:</b>	EDT_32Bit_ODBC	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Company:</b>	CIVITAS RESOURCES	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Project:</b>	ARAPAHOE COUNTY	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site:</b>	SEC 21-T4S-R65W	<b>North Reference:</b>	True
<b>Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OWB		
<b>Design:</b>	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	0.12	162.20	29.48	-0.03	0.01	-0.01	0.41	0.41	0.00
60.08	0.58	210.89	60.08	-0.19	-0.06	0.06	1.66	1.50	159.12
90.68	0.50	217.56	90.68	-0.43	-0.22	0.22	0.33	-0.26	21.80
121.28	0.44	216.58	121.28	-0.63	-0.37	0.37	0.20	-0.20	-3.20
151.88	0.38	191.20	151.88	-0.83	-0.46	0.46	0.62	-0.20	-82.94
182.48	0.72	226.27	182.47	-1.06	-0.62	0.62	1.52	1.11	114.61
213.08	0.90	227.58	213.07	-1.35	-0.94	0.94	0.59	0.59	4.28
243.68	0.90	226.53	243.67	-1.68	-1.29	1.29	0.05	0.00	-3.43
286.38	1.19	241.13	286.36	-2.13	-1.92	1.93	0.92	0.68	34.19
329.08	1.51	248.23	329.05	-2.55	-2.83	2.84	0.84	0.75	16.63
371.78	1.83	253.72	371.73	-2.95	-4.01	4.02	0.84	0.75	12.86
414.48	2.03	266.08	414.41	-3.19	-5.42	5.43	1.08	0.47	28.95
457.18	2.46	277.55	457.07	-3.12	-7.08	7.09	1.45	1.01	26.86
499.88	2.84	278.47	499.73	-2.85	-9.04	9.04	0.90	0.89	2.15
542.58	3.30	277.90	542.37	-2.52	-11.30	11.31	1.08	1.08	-1.33
585.28	3.53	280.07	584.99	-2.12	-13.81	13.82	0.62	0.54	5.08
627.98	3.50	278.18	627.61	-1.71	-16.39	16.40	0.28	-0.07	-4.43
670.68	3.02	271.13	670.24	-1.50	-18.81	18.81	1.46	-1.12	-16.51
713.38	2.37	270.33	712.89	-1.47	-20.82	20.82	1.52	-1.52	-1.87
756.08	1.56	275.64	755.57	-1.41	-22.28	22.28	1.94	-1.90	12.44
798.78	1.05	281.72	798.26	-1.27	-23.24	23.24	1.24	-1.19	14.24
841.48	0.48	309.86	840.95	-1.08	-23.76	23.76	1.56	-1.33	65.90
884.18	0.32	299.48	883.65	-0.91	-24.00	24.00	0.41	-0.37	-24.31
926.88	0.26	292.08	926.35	-0.81	-24.19	24.20	0.17	-0.14	-17.33
969.58	0.33	252.27	969.05	-0.81	-24.40	24.40	0.50	0.16	-93.23
1,012.28	0.52	309.49	1,011.75	-0.73	-24.67	24.67	1.03	0.44	134.00
1,054.98	0.52	283.78	1,054.45	-0.56	-25.01	25.01	0.54	0.00	-60.21
1,097.68	0.52	230.89	1,097.15	-0.63	-25.34	25.35	1.08	0.00	-123.86
1,140.38	0.35	272.82	1,139.85	-0.75	-25.63	25.63	0.82	-0.40	98.20
1,183.08	0.46	277.36	1,182.55	-0.72	-25.93	25.93	0.27	0.26	10.63
1,225.78	0.46	270.05	1,225.24	-0.70	-26.27	26.27	0.14	0.00	-17.12
1,268.48	0.55	40.92	1,267.94	-0.54	-26.30	26.31	2.15	0.21	306.49
1,311.18	0.69	25.36	1,310.64	-0.16	-26.06	26.06	0.51	0.33	-36.44
1,353.88	0.76	37.35	1,353.34	0.30	-25.78	25.78	0.39	0.16	28.08
1,396.58	1.10	19.71	1,396.03	0.91	-25.47	25.46	1.03	0.80	-41.31
1,439.28	1.04	42.24	1,438.72	1.59	-25.07	25.06	0.99	-0.14	52.76
1,481.98	0.80	27.58	1,481.42	2.14	-24.67	24.66	0.78	-0.56	-34.33
1,524.68	0.88	37.60	1,524.11	2.66	-24.33	24.32	0.39	0.19	23.47
1,567.38	0.77	21.72	1,566.81	3.19	-24.03	24.02	0.59	-0.26	-37.19
1,610.08	0.75	44.02	1,609.51	3.65	-23.73	23.71	0.69	-0.05	52.22
1,652.78	0.76	75.39	1,652.20	3.93	-23.26	23.25	0.96	0.02	73.47
1,695.48	0.56	69.77	1,694.90	4.07	-22.79	22.78	0.49	-0.47	-13.16
1,738.18	0.47	70.88	1,737.60	4.20	-22.43	22.41	0.21	-0.21	2.60
1,780.88	0.48	97.78	1,780.30	4.23	-22.08	22.07	0.52	0.02	63.00
1,823.58	0.47	92.98	1,823.00	4.20	-21.73	21.72	0.10	-0.02	-11.24
1,866.28	0.66	92.23	1,865.69	4.18	-21.31	21.30	0.45	0.44	-1.76
1,908.98	0.78	83.09	1,908.39	4.21	-20.78	20.76	0.39	0.28	-21.41
1,951.68	0.64	90.20	1,951.09	4.24	-20.25	20.24	0.39	-0.33	16.65
1,994.38	0.88	84.92	1,993.78	4.27	-19.68	19.67	0.58	0.56	-12.37
2,037.08	0.94	88.82	2,036.48	4.30	-19.01	18.99	0.20	0.14	9.13
2,079.78	0.79	105.45	2,079.17	4.23	-18.37	18.36	0.68	-0.35	38.95
2,122.48	0.93	82.98	2,121.87	4.20	-17.75	17.73	0.85	0.33	-52.62
Start 55.00 hold at 2122.48 MD									

# Planning Report

<b>Database:</b>	EDT_32Bit_ODBC	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Company:</b>	CIVITAS RESOURCES	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Project:</b>	ARAPAHOE COUNTY	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site:</b>	SEC 21-T4S-R65W	<b>North Reference:</b>	True
<b>Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OWB		
<b>Design:</b>	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)
2,177.48	0.93	82.98	2,176.86	4.31	-16.86	16.85	0.00	0.00	0.00
<b>Start DLS 2.00 TFO -177.41</b>									
2,200.00	0.48	80.56	2,199.38	4.34	-16.59	16.57	2.00	-2.00	-10.76
2,300.00	1.52	267.14	2,299.37	4.35	-17.50	17.49	2.00	1.04	-173.41
2,400.00	3.52	266.25	2,399.27	4.08	-21.89	21.88	2.00	2.00	-0.90
2,500.00	5.52	266.00	2,498.95	3.54	-29.75	29.74	2.00	2.00	-0.25
2,599.85	7.52	265.88	2,598.15	2.74	-41.06	41.05	2.00	2.00	-0.12
<b>Start 4895.78 hold at 2599.85 MD</b>									
2,700.00	7.52	265.88	2,697.44	1.80	-54.13	54.13	0.00	0.00	0.00
2,800.00	7.52	265.88	2,796.58	0.86	-67.18	67.18	0.00	0.00	0.00
2,900.00	7.52	265.88	2,895.72	-0.08	-80.24	80.24	0.00	0.00	0.00
3,000.00	7.52	265.88	2,994.86	-1.02	-93.29	93.29	0.00	0.00	0.00
3,100.00	7.52	265.88	3,094.00	-1.96	-106.34	106.34	0.00	0.00	0.00
3,200.00	7.52	265.88	3,193.14	-2.90	-119.39	119.40	0.00	0.00	0.00
3,300.00	7.52	265.88	3,292.28	-3.84	-132.44	132.45	0.00	0.00	0.00
3,400.00	7.52	265.88	3,391.42	-4.78	-145.49	145.50	0.00	0.00	0.00
3,500.00	7.52	265.88	3,490.56	-5.72	-158.54	158.56	0.00	0.00	0.00
3,600.00	7.52	265.88	3,589.70	-6.66	-171.59	171.61	0.00	0.00	0.00
3,700.00	7.52	265.88	3,688.84	-7.59	-184.64	184.66	0.00	0.00	0.00
3,800.00	7.52	265.88	3,787.98	-8.53	-197.69	197.72	0.00	0.00	0.00
3,900.00	7.52	265.88	3,887.12	-9.47	-210.74	210.77	0.00	0.00	0.00
4,000.00	7.52	265.88	3,986.26	-10.41	-223.79	223.82	0.00	0.00	0.00
4,100.00	7.52	265.88	4,085.40	-11.35	-236.84	236.88	0.00	0.00	0.00
4,200.00	7.52	265.88	4,184.54	-12.29	-249.89	249.93	0.00	0.00	0.00
4,300.00	7.52	265.88	4,283.68	-13.23	-262.94	262.98	0.00	0.00	0.00
4,400.00	7.52	265.88	4,382.82	-14.17	-276.00	276.04	0.00	0.00	0.00
4,500.00	7.52	265.88	4,481.97	-15.11	-289.05	289.09	0.00	0.00	0.00
4,600.00	7.52	265.88	4,581.11	-16.05	-302.10	302.14	0.00	0.00	0.00
4,700.00	7.52	265.88	4,680.25	-16.99	-315.15	315.20	0.00	0.00	0.00
4,800.00	7.52	265.88	4,779.39	-17.93	-328.20	328.25	0.00	0.00	0.00
4,900.00	7.52	265.88	4,878.53	-18.87	-341.25	341.31	0.00	0.00	0.00
5,000.00	7.52	265.88	4,977.67	-19.81	-354.30	354.36	0.00	0.00	0.00
5,100.00	7.52	265.88	5,076.81	-20.75	-367.35	367.41	0.00	0.00	0.00
5,200.00	7.52	265.88	5,175.95	-21.68	-380.40	380.47	0.00	0.00	0.00
5,300.00	7.52	265.88	5,275.09	-22.62	-393.45	393.52	0.00	0.00	0.00
5,400.00	7.52	265.88	5,374.23	-23.56	-406.50	406.57	0.00	0.00	0.00
5,500.00	7.52	265.88	5,473.37	-24.50	-419.55	419.63	0.00	0.00	0.00
5,600.00	7.52	265.88	5,572.51	-25.44	-432.60	432.68	0.00	0.00	0.00
5,700.00	7.52	265.88	5,671.65	-26.38	-445.65	445.73	0.00	0.00	0.00
5,800.00	7.52	265.88	5,770.79	-27.32	-458.70	458.79	0.00	0.00	0.00
5,900.00	7.52	265.88	5,869.93	-28.26	-471.76	471.84	0.00	0.00	0.00
6,000.00	7.52	265.88	5,969.07	-29.20	-484.81	484.89	0.00	0.00	0.00
6,100.00	7.52	265.88	6,068.21	-30.14	-497.86	497.95	0.00	0.00	0.00
6,200.00	7.52	265.88	6,167.35	-31.08	-510.91	511.00	0.00	0.00	0.00
6,300.00	7.52	265.88	6,266.49	-32.02	-523.96	524.05	0.00	0.00	0.00
6,400.00	7.52	265.88	6,365.63	-32.96	-537.01	537.11	0.00	0.00	0.00
6,500.00	7.52	265.88	6,464.77	-33.90	-550.06	550.16	0.00	0.00	0.00
6,600.00	7.52	265.88	6,563.91	-34.83	-563.11	563.22	0.00	0.00	0.00
6,700.00	7.52	265.88	6,663.05	-35.77	-576.16	576.27	0.00	0.00	0.00
6,800.00	7.52	265.88	6,762.19	-36.71	-589.21	589.32	0.00	0.00	0.00
6,900.00	7.52	265.88	6,861.33	-37.65	-602.26	602.38	0.00	0.00	0.00
7,000.00	7.52	265.88	6,960.47	-38.59	-615.31	615.43	0.00	0.00	0.00
7,100.00	7.52	265.88	7,059.61	-39.53	-628.36	628.48	0.00	0.00	0.00
7,200.00	7.52	265.88	7,158.75	-40.47	-641.41	641.54	0.00	0.00	0.00

# Planning Report

<b>Database:</b>	EDT_32Bit_ODBC	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Company:</b>	CIVITAS RESOURCES	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Project:</b>	ARAPAHOE COUNTY	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site:</b>	SEC 21-T4S-R65W	<b>North Reference:</b>	True
<b>Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OWB		
<b>Design:</b>	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)
7,300.00	7.52	265.88	7,257.89	-41.41	-654.46	654.59	0.00	0.00	0.00
7,400.00	7.52	265.88	7,357.03	-42.35	-667.52	667.64	0.00	0.00	0.00
7,495.63	7.52	265.88	7,451.84	-43.25	-680.00	680.13	0.00	0.00	0.00
Start DLS 10.00 TFO 4.14									
7,500.00	7.95	266.11	7,456.17	-43.29	-680.58	680.71	10.00	9.98	5.22
7,550.00	12.95	267.63	7,505.33	-43.75	-689.64	689.77	10.00	9.99	3.05
7,600.00	17.94	268.32	7,553.51	-44.21	-702.94	703.07	10.00	9.99	1.37
7,650.00	22.94	268.71	7,600.34	-44.66	-720.39	720.53	10.00	10.00	0.79
7,700.00	27.94	268.97	7,645.48	-45.09	-741.86	742.00	10.00	10.00	0.52
7,750.00	32.94	269.16	7,688.57	-45.50	-767.18	767.32	10.00	10.00	0.37
7,800.00	37.94	269.30	7,729.30	-45.89	-796.16	796.30	10.00	10.00	0.28
7,850.00	42.94	269.41	7,767.34	-46.25	-828.58	828.72	10.00	10.00	0.23
7,900.00	47.94	269.50	7,802.41	-46.59	-864.19	864.33	10.00	10.00	0.19
7,950.00	52.94	269.58	7,834.25	-46.90	-902.73	902.87	10.00	10.00	0.16
8,000.00	57.94	269.65	7,862.60	-47.17	-943.89	944.03	10.00	10.00	0.14
8,050.00	62.94	269.71	7,887.26	-47.41	-987.37	987.51	10.00	10.00	0.13
8,100.00	67.94	269.77	7,908.04	-47.61	-1,032.83	1,032.97	10.00	10.00	0.11
8,150.00	72.94	269.83	7,924.78	-47.78	-1,079.92	1,080.07	10.00	10.00	0.11
8,200.00	77.94	269.88	7,937.35	-47.90	-1,128.30	1,128.45	10.00	10.00	0.10
8,250.00	82.94	269.92	7,945.65	-47.99	-1,177.59	1,177.73	10.00	10.00	0.10
8,300.00	87.94	269.97	7,949.63	-48.03	-1,227.42	1,227.56	10.00	10.00	0.10
8,320.64	90.00	269.99	7,950.00	-48.04	-1,248.05	1,248.19	10.00	10.00	0.09
Start 14986.19 hold at 8320.64 MD									
8,400.00	90.00	269.99	7,950.00	-48.05	-1,327.41	1,327.56	0.00	0.00	0.00
8,500.00	90.00	269.99	7,950.00	-48.07	-1,427.41	1,427.55	0.00	0.00	0.00
8,600.00	90.00	269.99	7,950.00	-48.08	-1,527.41	1,527.55	0.00	0.00	0.00
8,700.00	90.00	269.99	7,950.00	-48.09	-1,627.41	1,627.55	0.00	0.00	0.00
8,800.00	90.00	269.99	7,950.00	-48.11	-1,727.41	1,727.55	0.00	0.00	0.00
8,900.00	90.00	269.99	7,950.00	-48.12	-1,827.41	1,827.55	0.00	0.00	0.00
9,000.00	90.00	269.99	7,950.00	-48.14	-1,927.41	1,927.55	0.00	0.00	0.00
9,100.00	90.00	269.99	7,950.00	-48.15	-2,027.41	2,027.55	0.00	0.00	0.00
9,200.00	90.00	269.99	7,950.00	-48.17	-2,127.41	2,127.55	0.00	0.00	0.00
9,300.00	90.00	269.99	7,950.00	-48.18	-2,227.41	2,227.55	0.00	0.00	0.00
9,400.00	90.00	269.99	7,950.00	-48.20	-2,327.41	2,327.55	0.00	0.00	0.00
9,500.00	90.00	269.99	7,950.00	-48.21	-2,427.41	2,427.55	0.00	0.00	0.00
9,600.00	90.00	269.99	7,950.00	-48.22	-2,527.41	2,527.55	0.00	0.00	0.00
9,700.00	90.00	269.99	7,950.00	-48.24	-2,627.41	2,627.55	0.00	0.00	0.00
9,800.00	90.00	269.99	7,950.00	-48.25	-2,727.41	2,727.55	0.00	0.00	0.00
9,900.00	90.00	269.99	7,950.00	-48.27	-2,827.41	2,827.55	0.00	0.00	0.00
10,000.00	90.00	269.99	7,950.00	-48.28	-2,927.41	2,927.55	0.00	0.00	0.00
10,100.00	90.00	269.99	7,950.00	-48.30	-3,027.41	3,027.55	0.00	0.00	0.00
10,200.00	90.00	269.99	7,950.00	-48.31	-3,127.41	3,127.55	0.00	0.00	0.00
10,300.00	90.00	269.99	7,950.00	-48.33	-3,227.41	3,227.55	0.00	0.00	0.00
10,400.00	90.00	269.99	7,950.00	-48.34	-3,327.41	3,327.55	0.00	0.00	0.00
10,500.00	90.00	269.99	7,950.00	-48.35	-3,427.41	3,427.55	0.00	0.00	0.00
10,600.00	90.00	269.99	7,950.00	-48.37	-3,527.41	3,527.55	0.00	0.00	0.00
10,700.00	90.00	269.99	7,950.00	-48.38	-3,627.41	3,627.55	0.00	0.00	0.00
10,800.00	90.00	269.99	7,950.00	-48.40	-3,727.41	3,727.54	0.00	0.00	0.00
10,900.00	90.00	269.99	7,950.00	-48.41	-3,827.41	3,827.54	0.00	0.00	0.00
11,000.00	90.00	269.99	7,950.00	-48.43	-3,927.41	3,927.54	0.00	0.00	0.00
11,100.00	90.00	269.99	7,950.00	-48.44	-4,027.41	4,027.54	0.00	0.00	0.00
11,200.00	90.00	269.99	7,950.00	-48.46	-4,127.41	4,127.54	0.00	0.00	0.00
11,300.00	90.00	269.99	7,950.00	-48.47	-4,227.41	4,227.54	0.00	0.00	0.00

# Planning Report

<b>Database:</b>	EDT_32Bit_ODBC	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Company:</b>	CIVITAS RESOURCES	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Project:</b>	ARAPAHOE COUNTY	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site:</b>	SEC 21-T4S-R65W	<b>North Reference:</b>	True
<b>Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OWB		
<b>Design:</b>	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)
11,400.00	90.00	269.99	7,950.00	-48.48	-4,327.41	4,327.54	0.00	0.00	0.00
11,500.00	90.00	269.99	7,950.00	-48.50	-4,427.41	4,427.54	0.00	0.00	0.00
11,600.00	90.00	269.99	7,950.00	-48.51	-4,527.41	4,527.54	0.00	0.00	0.00
11,700.00	90.00	269.99	7,950.00	-48.53	-4,627.41	4,627.54	0.00	0.00	0.00
11,800.00	90.00	269.99	7,950.00	-48.54	-4,727.41	4,727.54	0.00	0.00	0.00
11,900.00	90.00	269.99	7,950.00	-48.56	-4,827.41	4,827.54	0.00	0.00	0.00
12,000.00	90.00	269.99	7,950.00	-48.57	-4,927.41	4,927.54	0.00	0.00	0.00
12,100.00	90.00	269.99	7,950.00	-48.58	-5,027.41	5,027.54	0.00	0.00	0.00
12,200.00	90.00	269.99	7,950.00	-48.60	-5,127.41	5,127.54	0.00	0.00	0.00
12,300.00	90.00	269.99	7,950.00	-48.61	-5,227.41	5,227.54	0.00	0.00	0.00
12,400.00	90.00	269.99	7,950.00	-48.63	-5,327.41	5,327.54	0.00	0.00	0.00
12,500.00	90.00	269.99	7,950.00	-48.64	-5,427.41	5,427.54	0.00	0.00	0.00
12,600.00	90.00	269.99	7,950.00	-48.66	-5,527.41	5,527.54	0.00	0.00	0.00
12,700.00	90.00	269.99	7,950.00	-48.67	-5,627.41	5,627.54	0.00	0.00	0.00
12,800.00	90.00	269.99	7,950.00	-48.69	-5,727.41	5,727.54	0.00	0.00	0.00
12,900.00	90.00	269.99	7,950.00	-48.70	-5,827.41	5,827.54	0.00	0.00	0.00
13,000.00	90.00	269.99	7,950.00	-48.71	-5,927.41	5,927.54	0.00	0.00	0.00
13,100.00	90.00	269.99	7,950.00	-48.73	-6,027.41	6,027.53	0.00	0.00	0.00
13,200.00	90.00	269.99	7,950.00	-48.74	-6,127.41	6,127.53	0.00	0.00	0.00
13,300.00	90.00	269.99	7,950.00	-48.76	-6,227.41	6,227.53	0.00	0.00	0.00
13,400.00	90.00	269.99	7,950.00	-48.77	-6,327.41	6,327.53	0.00	0.00	0.00
13,500.00	90.00	269.99	7,950.00	-48.79	-6,427.41	6,427.53	0.00	0.00	0.00
13,600.00	90.00	269.99	7,950.00	-48.80	-6,527.41	6,527.53	0.00	0.00	0.00
13,700.00	90.00	269.99	7,950.00	-48.82	-6,627.41	6,627.53	0.00	0.00	0.00
13,800.00	90.00	269.99	7,950.00	-48.83	-6,727.41	6,727.53	0.00	0.00	0.00
13,900.00	90.00	269.99	7,950.00	-48.84	-6,827.41	6,827.53	0.00	0.00	0.00
14,000.00	90.00	269.99	7,950.00	-48.86	-6,927.41	6,927.53	0.00	0.00	0.00
14,100.00	90.00	269.99	7,950.00	-48.87	-7,027.41	7,027.53	0.00	0.00	0.00
14,200.00	90.00	269.99	7,950.00	-48.89	-7,127.41	7,127.53	0.00	0.00	0.00
14,300.00	90.00	269.99	7,950.00	-48.90	-7,227.41	7,227.53	0.00	0.00	0.00
14,400.00	90.00	269.99	7,950.00	-48.92	-7,327.41	7,327.53	0.00	0.00	0.00
14,500.00	90.00	269.99	7,950.00	-48.93	-7,427.41	7,427.53	0.00	0.00	0.00
14,600.00	90.00	269.99	7,950.00	-48.95	-7,527.41	7,527.53	0.00	0.00	0.00
14,700.00	90.00	269.99	7,950.00	-48.96	-7,627.41	7,627.53	0.00	0.00	0.00
14,800.00	90.00	269.99	7,950.00	-48.97	-7,727.41	7,727.53	0.00	0.00	0.00
14,900.00	90.00	269.99	7,950.00	-48.99	-7,827.41	7,827.53	0.00	0.00	0.00
15,000.00	90.00	269.99	7,950.00	-49.00	-7,927.41	7,927.53	0.00	0.00	0.00
15,100.00	90.00	269.99	7,950.00	-49.02	-8,027.41	8,027.53	0.00	0.00	0.00
15,200.00	90.00	269.99	7,950.00	-49.03	-8,127.41	8,127.53	0.00	0.00	0.00
15,300.00	90.00	269.99	7,950.00	-49.05	-8,227.41	8,227.53	0.00	0.00	0.00
15,400.00	90.00	269.99	7,950.00	-49.06	-8,327.41	8,327.52	0.00	0.00	0.00
15,500.00	90.00	269.99	7,950.00	-49.08	-8,427.41	8,427.52	0.00	0.00	0.00
15,600.00	90.00	269.99	7,950.00	-49.09	-8,527.41	8,527.52	0.00	0.00	0.00
15,700.00	90.00	269.99	7,950.00	-49.10	-8,627.41	8,627.52	0.00	0.00	0.00
15,800.00	90.00	269.99	7,950.00	-49.12	-8,727.41	8,727.52	0.00	0.00	0.00
15,900.00	90.00	269.99	7,950.00	-49.13	-8,827.41	8,827.52	0.00	0.00	0.00
16,000.00	90.00	269.99	7,950.00	-49.15	-8,927.41	8,927.52	0.00	0.00	0.00
16,100.00	90.00	269.99	7,950.00	-49.16	-9,027.41	9,027.52	0.00	0.00	0.00
16,200.00	90.00	269.99	7,950.00	-49.18	-9,127.41	9,127.52	0.00	0.00	0.00
16,300.00	90.00	269.99	7,950.00	-49.19	-9,227.41	9,227.52	0.00	0.00	0.00
16,400.00	90.00	269.99	7,950.00	-49.20	-9,327.41	9,327.52	0.00	0.00	0.00
16,500.00	90.00	269.99	7,950.00	-49.22	-9,427.41	9,427.52	0.00	0.00	0.00
16,600.00	90.00	269.99	7,950.00	-49.23	-9,527.41	9,527.52	0.00	0.00	0.00
16,700.00	90.00	269.99	7,950.00	-49.25	-9,627.41	9,627.52	0.00	0.00	0.00

# Planning Report

<b>Database:</b>	EDT_32Bit_ODBC	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Company:</b>	CIVITAS RESOURCES	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Project:</b>	ARAPAHOE COUNTY	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site:</b>	SEC 21-T4S-R65W	<b>North Reference:</b>	True
<b>Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OWB		
<b>Design:</b>	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)	
16,800.00	90.00	269.99	7,950.00	-49.26	-9,727.41	9,727.52	0.00	0.00	0.00	
16,900.00	90.00	269.99	7,950.00	-49.28	-9,827.41	9,827.52	0.00	0.00	0.00	
17,000.00	90.00	269.99	7,950.00	-49.29	-9,927.41	9,927.52	0.00	0.00	0.00	
17,100.00	90.00	269.99	7,950.00	-49.31	-10,027.41	10,027.52	0.00	0.00	0.00	
17,200.00	90.00	269.99	7,950.00	-49.32	-10,127.41	10,127.52	0.00	0.00	0.00	
17,300.00	90.00	269.99	7,950.00	-49.33	-10,227.41	10,227.52	0.00	0.00	0.00	
17,400.00	90.00	269.99	7,950.00	-49.35	-10,327.41	10,327.52	0.00	0.00	0.00	
17,500.00	90.00	269.99	7,950.00	-49.36	-10,427.41	10,427.52	0.00	0.00	0.00	
17,600.00	90.00	269.99	7,950.00	-49.38	-10,527.41	10,527.52	0.00	0.00	0.00	
17,700.00	90.00	269.99	7,950.00	-49.39	-10,627.41	10,627.52	0.00	0.00	0.00	
17,800.00	90.00	269.99	7,950.00	-49.41	-10,727.41	10,727.51	0.00	0.00	0.00	
17,900.00	90.00	269.99	7,950.00	-49.42	-10,827.41	10,827.51	0.00	0.00	0.00	
18,000.00	90.00	269.99	7,950.00	-49.44	-10,927.41	10,927.51	0.00	0.00	0.00	
18,100.00	90.00	269.99	7,950.00	-49.45	-11,027.41	11,027.51	0.00	0.00	0.00	
18,200.00	90.00	269.99	7,950.00	-49.46	-11,127.41	11,127.51	0.00	0.00	0.00	
18,300.00	90.00	269.99	7,950.00	-49.48	-11,227.41	11,227.51	0.00	0.00	0.00	
18,400.00	90.00	269.99	7,950.00	-49.49	-11,327.41	11,327.51	0.00	0.00	0.00	
18,500.00	90.00	269.99	7,950.00	-49.51	-11,427.41	11,427.51	0.00	0.00	0.00	
18,600.00	90.00	269.99	7,950.00	-49.52	-11,527.41	11,527.51	0.00	0.00	0.00	
18,700.00	90.00	269.99	7,950.00	-49.54	-11,627.41	11,627.51	0.00	0.00	0.00	
18,800.00	90.00	269.99	7,950.00	-49.55	-11,727.41	11,727.51	0.00	0.00	0.00	
18,900.00	90.00	269.99	7,950.00	-49.57	-11,827.41	11,827.51	0.00	0.00	0.00	
19,000.00	90.00	269.99	7,950.00	-49.58	-11,927.41	11,927.51	0.00	0.00	0.00	
19,100.00	90.00	269.99	7,950.00	-49.59	-12,027.41	12,027.51	0.00	0.00	0.00	
19,200.00	90.00	269.99	7,950.00	-49.61	-12,127.41	12,127.51	0.00	0.00	0.00	
19,300.00	90.00	269.99	7,950.00	-49.62	-12,227.41	12,227.51	0.00	0.00	0.00	
19,400.00	90.00	269.99	7,950.00	-49.64	-12,327.41	12,327.51	0.00	0.00	0.00	
19,500.00	90.00	269.99	7,950.00	-49.65	-12,427.41	12,427.51	0.00	0.00	0.00	
19,600.00	90.00	269.99	7,950.00	-49.67	-12,527.41	12,527.51	0.00	0.00	0.00	
19,700.00	90.00	269.99	7,950.00	-49.68	-12,627.41	12,627.51	0.00	0.00	0.00	
19,800.00	90.00	269.99	7,950.00	-49.70	-12,727.41	12,727.51	0.00	0.00	0.00	
19,900.00	90.00	269.99	7,950.00	-49.71	-12,827.41	12,827.51	0.00	0.00	0.00	
20,000.00	90.00	269.99	7,950.00	-49.72	-12,927.41	12,927.51	0.00	0.00	0.00	
20,100.00	90.00	269.99	7,950.00	-49.74	-13,027.41	13,027.50	0.00	0.00	0.00	
20,200.00	90.00	269.99	7,950.00	-49.75	-13,127.41	13,127.50	0.00	0.00	0.00	
20,300.00	90.00	269.99	7,950.00	-49.77	-13,227.41	13,227.50	0.00	0.00	0.00	
20,400.00	90.00	269.99	7,950.00	-49.78	-13,327.41	13,327.50	0.00	0.00	0.00	
20,500.00	90.00	269.99	7,950.00	-49.80	-13,427.41	13,427.50	0.00	0.00	0.00	
20,600.00	90.00	269.99	7,950.00	-49.81	-13,527.41	13,527.50	0.00	0.00	0.00	
20,700.00	90.00	269.99	7,950.00	-49.83	-13,627.41	13,627.50	0.00	0.00	0.00	
20,800.00	90.00	269.99	7,950.00	-49.84	-13,727.41	13,727.50	0.00	0.00	0.00	
20,900.00	90.00	269.99	7,950.00	-49.85	-13,827.41	13,827.50	0.00	0.00	0.00	
21,000.00	90.00	269.99	7,950.00	-49.87	-13,927.41	13,927.50	0.00	0.00	0.00	
21,100.00	90.00	269.99	7,950.00	-49.88	-14,027.41	14,027.50	0.00	0.00	0.00	
21,200.00	90.00	269.99	7,950.00	-49.90	-14,127.41	14,127.50	0.00	0.00	0.00	
21,300.00	90.00	269.99	7,950.00	-49.91	-14,227.41	14,227.50	0.00	0.00	0.00	
21,400.00	90.00	269.99	7,950.00	-49.93	-14,327.41	14,327.50	0.00	0.00	0.00	
21,500.00	90.00	269.99	7,950.00	-49.94	-14,427.41	14,427.50	0.00	0.00	0.00	
21,600.00	90.00	269.99	7,950.00	-49.95	-14,527.41	14,527.50	0.00	0.00	0.00	
21,700.00	90.00	269.99	7,950.00	-49.97	-14,627.41	14,627.50	0.00	0.00	0.00	
21,800.00	90.00	269.99	7,950.00	-49.98	-14,727.41	14,727.50	0.00	0.00	0.00	
21,900.00	90.00	269.99	7,950.00	-50.00	-14,827.41	14,827.50	0.00	0.00	0.00	
22,000.00	90.00	269.99	7,950.00	-50.01	-14,927.41	14,927.50	0.00	0.00	0.00	
22,100.00	90.00	269.99	7,950.00	-50.03	-15,027.41	15,027.50	0.00	0.00	0.00	



## Planning Report

<b>Database:</b>	EDT_32Bit_ODBC	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Company:</b>	CIVITAS RESOURCES	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Project:</b>	ARAPAHOE COUNTY	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site:</b>	SEC 21-T4S-R65W	<b>North Reference:</b>	True
<b>Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OWB		
<b>Design:</b>	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)	
22,200.00	90.00	269.99	7,950.00	-50.04	-15,127.41	15,127.50	0.00	0.00	0.00	
22,300.00	90.00	269.99	7,950.00	-50.06	-15,227.41	15,227.50	0.00	0.00	0.00	
22,400.00	90.00	269.99	7,950.00	-50.07	-15,327.41	15,327.49	0.00	0.00	0.00	
22,500.00	90.00	269.99	7,950.00	-50.08	-15,427.41	15,427.49	0.00	0.00	0.00	
22,600.00	90.00	269.99	7,950.00	-50.10	-15,527.41	15,527.49	0.00	0.00	0.00	
22,700.00	90.00	269.99	7,950.00	-50.11	-15,627.41	15,627.49	0.00	0.00	0.00	
22,800.00	90.00	269.99	7,950.00	-50.13	-15,727.41	15,727.49	0.00	0.00	0.00	
22,900.00	90.00	269.99	7,950.00	-50.14	-15,827.41	15,827.49	0.00	0.00	0.00	
23,000.00	90.00	269.99	7,950.00	-50.16	-15,927.41	15,927.49	0.00	0.00	0.00	
23,100.00	90.00	269.99	7,950.00	-50.17	-16,027.41	16,027.49	0.00	0.00	0.00	
23,200.00	90.00	269.99	7,950.00	-50.19	-16,127.41	16,127.49	0.00	0.00	0.00	
23,306.83	90.00	269.99	7,950.00	-50.20	-16,234.24	16,234.32	0.00	0.00	0.00	
TD at 23306.83										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
GRANDE 4-65 1CH-LP - hit/miss target - Shape	0.00	0.00	7,950.00	-48.04	-1,248.05	1,678,706.90	3,230,736.51	39.693992°N	104.680049°W	
GRANDE 4-65 1CH-PB1 - plan hits target center - Point	0.00	0.00	7,950.00	-50.20	-16,234.24	1,678,568.75	3,215,751.11	39.693972°N	104.733303°W	

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
2,122.48	2,121.87	4.20	-17.75	Start 55.00 hold at 2122.48 MD	
2,177.48	2,176.86	4.31	-16.86	Start DLS 2.00 TFO -177.41	
2,599.85	2,598.15	2.74	-41.06	Start 4895.78 hold at 2599.85 MD	
7,495.63	7,451.84	-43.25	-680.00	Start DLS 10.00 TFO 4.14	
8,320.64	7,950.00	-48.04	-1,248.05	Start 14986.19 hold at 8320.64 MD	
23,306.83	7,950.00	-50.20	-16,234.24	TD at 23306.83	

# **CIVITAS RESOURCES**

**ARAPAHOE COUNTY**

**SEC 21-T4S-R65W**

**GRANDE 4-65 20-19 1CH**

**OWB**

**PROPOSAL 1**

## **Anticollision Report**

**24 November, 2021**

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Reference</b>	PROPOSAL 1		
<b>Filter type:</b>	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
<b>Interpolation Method:</b>	Stations	<b>Error Model:</b>	ISCWSA
<b>Depth Range:</b>	Unlimited	<b>Scan Method:</b>	Closest Approach 3D
<b>Results Limited by:</b>	Maximum center-center distance of 9,999.98 usft	<b>Error Surface:</b>	Pedal Curve
<b>Warning Levels Evaluated at:</b>	2.00 Sigma	<b>Casing Method:</b>	Not applied

<b>Survey Tool Program</b>	<b>Date</b>	11/24/2021		
<b>From (usft)</b>	<b>To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
29.48	2,122.48	SURFACE SURVEY (OWB)	MWD OWSG	OWSG MWD - Standard
2,122.48	23,306.83	PROPOSAL 1 (OWB)	MWD OWSG	OWSG MWD - Standard

<b>Summary</b>						
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	12,405.69	12,544.87	1,827.38	1,563.94	6.937	CC
EXIST HZ GRANDE 4-65 20-19 3AH - OWB - FINAL SU	15,311.97	15,459.30	1,864.28	1,445.82	4.455	ES
EXIST HZ GRANDE 4-65 20-19 3AH - OWB - FINAL SU	15,400.00	15,453.00	1,866.37	1,446.69	4.447	SF
EXIST HZ GRANDE 4-65 20-19 3AH - STK - FINAL STK	11,086.13	11,228.00	1,816.60	1,632.32	9.858	CC
EXIST HZ GRANDE 4-65 20-19 3AH - STK - FINAL STK	15,700.00	15,795.00	1,876.71	1,475.13	4.673	ES, SF
EXIST HZ SUNSET 4-65 21-22 1AH - OWB - FINAL SUR	1,735.62	1,742.83	40.06	27.90	3.296	CC
EXIST HZ SUNSET 4-65 21-22 1AH - OWB - FINAL SUR	1,738.18	1,745.30	40.06	27.89	3.291	ES
EXIST HZ SUNSET 4-65 21-22 1AH - OWB - FINAL SUR	1,780.88	1,787.10	40.92	28.45	3.282	SF
EXIST HZ SUNSET 4-65 21-22 1H - OWB - FINAL SURV	7,731.83	17,391.00	3,344.76	3,061.65	11.814	CC
EXIST HZ SUNSET 4-65 21-22 1H - OWB - FINAL SURV	7,750.00	17,391.00	3,344.85	3,061.64	11.810	ES
EXIST HZ SUNSET 4-65 21-22 1H - OWB - FINAL SURV	7,800.00	17,391.00	3,346.08	3,062.60	11.803	SF
EXIST HZ SUNSET 4-65 21-22 2AH - OWB - FINAL SUR	97.48	101.47	74.93	74.41	144.140	CC
EXIST HZ SUNSET 4-65 21-22 2AH - OWB - FINAL SUR	414.48	419.78	76.34	73.53	27.252	ES
EXIST HZ SUNSET 4-65 21-22 2AH - OWB - FINAL SUR	7,950.00	7,878.78	734.42	674.65	12.288	SF
EXIST HZ SUNSET 4-65 21-22 3AH - OWB - FINAL SUR	7,817.23	8,059.54	1,982.82	1,926.70	35.327	CC, ES
EXIST HZ SUNSET 4-65 21-22 3AH - OWB - FINAL SUR	8,900.00	7,746.00	2,234.39	2,165.78	32.567	SF
EXIST HZ SUNSET 4-65 21-22 3BH - OWB - FINAL SUR	7,818.42	8,230.68	2,602.31	2,545.80	46.049	CC, ES
EXIST HZ SUNSET 4-65 21-22 3BH - OWB - FINAL SUR	9,600.00	7,618.39	3,107.30	3,026.30	38.360	SF
EXIST HZ SUNSET 4-65 21-22 4BH - OWB - FINAL SUR	1,122.69	1,072.20	3,018.98	3,011.29	392.719	CC
EXIST HZ SUNSET 4-65 21-22 4BH - OWB - FINAL SUR	1,268.48	1,219.22	3,019.82	3,011.09	345.917	ES
EXIST HZ SUNSET 4-65 21-22 4BH - OWB - FINAL SUR	10,700.00	7,355.94	4,560.63	4,456.55	43.817	SF
EXISTING HZ SUNSET 4-65 21-22 1BH - OWB - FINAL	1,635.28	1,644.42	93.48	81.89	8.065	CC
EXISTING HZ SUNSET 4-65 21-22 1BH - OWB - FINAL	1,652.78	1,661.51	93.53	81.81	7.981	ES
EXISTING HZ SUNSET 4-65 21-22 1BH - OWB - FINAL	7,864.67	7,952.75	147.97	88.85	2.503	SF
EXISTING HZ SUNSET 4-65 21-22 2BH - OWB - FINAL	0.00	4.70	125.03			
EXISTING HZ SUNSET 4-65 21-22 2BH - OWB - FINAL	286.38	290.36	125.60	123.71	66.668	ES
EXISTING HZ SUNSET 4-65 21-22 2BH - OWB - FINAL	8,500.00	7,783.43	1,389.94	1,319.85	19.832	SF
GRANDE 4-65 20-19 1AH - OWB - PROPOSAL 1	426.53	424.71	48.89	46.06	17.269	CC
GRANDE 4-65 20-19 1AH - OWB - PROPOSAL 1	23,306.83	23,257.89	634.17	-210.71	0.751	Level 1, ES, SF
GRANDE 4-65 20-19 2AH - OWB - PROPOSAL 1	0.00	0.00	25.03			
GRANDE 4-65 20-19 2AH - OWB - PROPOSAL 1	23,306.83	23,268.82	634.23	-210.00	0.751	Level 1, ES, SF
GRANDE 4-65 20-19 2CH - OWB - PROPOSAL 1	374.07	375.00	21.69	19.20	8.704	CC, ES
GRANDE 4-65 20-19 2CH - OWB - PROPOSAL 1	23,306.83	23,435.04	1,259.64	409.70	1.482	Level 3, SF
GRANDE 4-65 20-19 3CH - OWB - PROPOSAL 1	8,322.19	8,315.35	2,530.16	2,463.87	38.172	CC
GRANDE 4-65 20-19 3CH - OWB - PROPOSAL 1	23,306.83	23,287.88	2,535.63	1,690.17	2.999	ES, SF
GRANDE 4-65 20-19 4AH - OWB - PROPOSAL 1	387.40	314.36	3,089.34	3,087.02	1,331.027	CC

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

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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 4AH - OWB - PROPOSAL 1	23,306.83	23,189.77	3,245.07	2,399.85	3.839	ES, SF
GRANDE 4-65 20-19 4CH - OWB - PROPOSAL 1	423.67	366.10	3,138.21	3,135.58	1,195.469	CC
GRANDE 4-65 20-19 4CH - OWB - PROPOSAL 1	23,306.83	23,320.57	3,955.06	3,110.08	4.681	ES, SF

<b>Offset Design</b> 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 Measured Depth (usft)	Vertical Depth (usft)	Offset Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Offset (usft)	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	-172.88	-2,849.98	-355.80	3,630.32				
29.48	29.48	2,178.05	2,178.02	0.01	0.00	24.96	-2,849.98	-355.80	3,612.35	3,610.95	1.40	2,586.340	
60.08	60.08	2,178.05	2,178.02	0.12	0.00	-23.95	-2,849.98	-355.80	3,593.73	3,592.34	1.39	2,576.582	
90.68	90.68	2,178.05	2,178.02	0.23	0.00	-30.64	-2,849.98	-355.80	3,575.22	3,573.82	1.40	2,559.240	
121.28	121.28	2,178.05	2,178.02	0.34	0.00	-29.63	-2,849.98	-355.80	3,556.90	3,555.50	1.40	2,544.905	
151.88	151.88	2,178.05	2,178.02	0.45	0.00	-4.11	-2,849.98	-355.80	3,538.76	3,537.35	1.41	2,517.077	
182.48	182.47	2,178.05	2,178.02	0.56	0.00	-39.49	-2,849.98	-355.80	3,520.76	3,519.33	1.42	2,473.000	
213.08	213.07	2,178.05	2,178.02	0.67	0.00	-40.89	-2,849.98	-355.80	3,502.86	3,501.41	1.45	2,416.939	
243.68	243.67	2,178.05	2,178.02	0.78	0.00	-39.84	-2,849.98	-355.80	3,485.12	3,483.64	1.48	2,357.741	
286.38	286.36	2,178.05	2,178.02	0.93	0.00	-54.71	-2,849.98	-355.80	3,460.65	3,459.12	1.53	2,269.023	
329.08	329.05	2,178.05	2,178.02	1.08	0.00	-62.05	-2,849.98	-355.80	3,436.53	3,434.95	1.58	2,171.180	
371.78	371.73	2,178.05	2,178.02	1.24	0.00	-67.78	-2,849.98	-355.80	3,412.77	3,411.12	1.65	2,068.228	
414.48	414.41	2,178.05	2,178.02	1.39	0.00	-80.33	-2,849.98	-355.80	3,389.49	3,387.77	1.72	1,968.366	
457.18	457.07	2,178.05	2,178.02	1.54	0.00	-92.08	-2,849.98	-355.80	3,366.84	3,365.04	1.80	1,872.434	
499.88	499.73	2,178.05	2,178.02	1.70	0.00	-93.22	-2,849.98	-355.80	3,344.73	3,342.84	1.89	1,773.158	
542.58	542.37	2,178.05	2,178.02	1.85	0.00	-92.93	-2,849.98	-355.80	3,323.04	3,321.05	1.99	1,672.410	
585.28	584.99	2,178.05	2,178.02	2.00	0.00	-95.22	-2,849.98	-355.80	3,301.80	3,299.71	2.09	1,576.910	
627.98	627.61	2,178.05	2,178.02	2.16	0.00	-93.32	-2,849.98	-355.80	3,280.99	3,278.78	2.21	1,485.920	
670.68	670.24	2,178.05	2,178.02	2.31	0.00	-86.02	-2,849.98	-355.80	3,260.44	3,258.11	2.33	1,398.141	
713.38	712.89	2,178.05	2,178.02	2.47	0.00	-84.87	-2,849.98	-355.80	3,240.19	3,237.73	2.46	1,317.957	
756.08	755.57	2,178.05	2,178.02	2.62	0.00	-89.76	-2,849.98	-355.80	3,220.46	3,217.88	2.58	1,246.542	
798.78	798.26	2,178.05	2,178.02	2.78	0.00	-95.58	-2,849.98	-355.80	3,201.29	3,198.58	2.71	1,180.856	
841.48	840.95	2,178.05	2,178.02	2.93	0.00	-123.40	-2,849.98	-355.80	3,182.67	3,179.83	2.84	1,120.270	
884.18	883.65	2,178.05	2,178.02	3.08	0.00	-112.97	-2,849.98	-355.80	3,164.53	3,161.56	2.98	1,063.698	
926.88	926.35	2,178.05	2,178.02	3.23	0.00	-105.55	-2,849.98	-355.80	3,146.80	3,143.69	3.11	1,010.632	
969.58	969.05	2,178.05	2,178.02	3.38	0.00	-65.77	-2,849.98	-355.80	3,129.46	3,126.20	3.26	961.237	
1,012.28	1,011.75	2,178.05	2,178.02	3.53	0.00	-123.04	-2,849.98	-355.80	3,112.68	3,109.28	3.40	916.228	
1,054.98	1,054.45	2,178.05	2,178.02	3.68	0.00	-97.37	-2,849.98	-355.80	3,096.47	3,092.93	3.54	874.336	
1,097.68	1,097.15	2,178.05	2,178.02	3.84	0.00	-44.42	-2,849.98	-355.80	3,080.54	3,076.85	3.69	834.481	
1,140.38	1,139.85	2,178.05	2,178.02	3.99	0.00	-86.34	-2,849.98	-355.80	3,065.09	3,061.25	3.84	798.012	
1,183.08	1,182.55	2,178.05	2,178.02	4.14	0.00	-90.92	-2,849.98	-355.80	3,050.29	3,046.30	3.99	764.304	
1,225.78	1,225.24	2,178.05	2,178.02	4.29	0.00	-83.61	-2,849.98	-355.80	3,036.01	3,031.87	4.14	732.583	
1,268.48	1,267.94	2,178.05	2,178.02	4.44	0.00	145.78	-2,849.98	-355.80	3,022.43	3,018.14	4.29	704.195	
1,311.18	1,310.64	2,178.05	2,178.02	4.58	0.00	161.31	-2,849.98	-355.80	3,009.64	3,005.20	4.44	678.416	
1,353.88	1,353.34	2,178.05	2,178.02	4.72	0.00	149.37	-2,849.98	-355.80	2,997.47	2,992.89	4.58	653.899	
1,396.58	1,396.03	2,178.05	2,178.02	4.87	0.00	166.97	-2,849.98	-355.80	2,986.02	2,981.29	4.73	630.879	
1,439.28	1,438.72	2,178.05	2,178.02	5.01	0.00	144.54	-2,849.98	-355.80	2,975.21	2,970.32	4.88	609.177	
1,481.98	1,481.42	2,178.05	2,178.02	5.15	0.00	159.11	-2,849.98	-355.80	2,964.85	2,959.81	5.04	588.652	
1,524.68	1,524.11	2,178.05	2,178.02	5.30	0.00	149.13	-2,849.98	-355.80	2,955.04	2,949.85	5.19	569.372	
1,567.38	1,566.81	2,178.05	2,178.02	5.44	0.00	164.96	-2,849.98	-355.80	2,945.82	2,940.47	5.34	551.216	

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

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
1,610.08	1,609.51	2,178.05	2,178.02	5.59	0.00	142.71	-2,849.98	-355.80	2,937.13	2,931.63	5.50	534.111		
1,652.78	1,652.20	2,178.05	2,178.02	5.73	0.00	111.39	-2,849.98	-355.80	2,928.86	2,923.21	5.65	518.105		
1,695.48	1,694.90	2,178.05	2,178.02	5.88	0.00	116.98	-2,849.98	-355.80	2,921.07	2,915.27	5.81	503.081		
1,738.18	1,737.60	2,178.05	2,178.02	6.02	0.00	115.85	-2,849.98	-355.80	2,913.86	2,907.90	5.96	488.918		
1,780.88	1,780.30	2,178.05	2,178.02	6.17	0.00	88.96	-2,849.98	-355.80	2,907.17	2,901.05	6.11	475.553		
1,823.58	1,823.00	2,178.05	2,178.02	6.31	0.00	93.76	-2,849.98	-355.80	2,901.02	2,894.75	6.27	462.959		
1,866.28	1,865.69	2,178.05	2,178.02	6.46	0.00	94.54	-2,849.98	-355.80	2,895.51	2,889.09	6.42	451.080		
1,908.98	1,908.39	2,178.05	2,178.02	6.60	0.00	103.69	-2,849.98	-355.80	2,890.67	2,884.10	6.57	439.862		
1,951.68	1,951.09	2,178.05	2,178.02	6.75	0.00	96.56	-2,849.98	-355.80	2,886.47	2,879.75	6.72	429.254		
1,994.38	1,993.78	2,178.05	2,178.02	6.89	0.00	101.86	-2,849.98	-355.80	2,882.89	2,876.02	6.88	419.234		
2,037.08	2,036.48	2,178.05	2,178.02	7.04	0.00	97.97	-2,849.98	-355.80	2,879.97	2,872.94	7.03	409.773		
2,079.78	2,079.17	2,178.05	2,178.02	7.19	0.00	81.33	-2,849.98	-355.80	2,877.56	2,870.38	7.18	400.824		
2,122.48	2,121.87	2,178.05	2,178.02	7.33	0.00	103.80	-2,849.98	-355.80	2,875.82	2,868.49	7.33	392.377		
2,177.48	2,176.86	2,178.05	2,178.02	7.43	0.00	103.80	-2,849.98	-355.80	2,874.67	2,867.24	7.43	387.056		
2,200.00	2,199.38	2,178.05	2,178.02	7.43	0.00	106.22	-2,849.98	-355.80	2,874.49	2,867.06	7.43	386.935		
2,300.00	2,299.37	2,258.68	2,258.65	7.45	0.14	-80.39	-2,849.98	-355.71	2,874.30	2,866.71	7.59	378.684		
2,400.00	2,399.27	2,357.99	2,357.96	7.48	0.50	-79.60	-2,849.94	-355.67	2,873.47	2,865.49	7.98	359.952		
2,500.00	2,498.95	2,448.50	2,448.47	7.54	0.81	-79.51	-2,850.03	-355.92	2,872.16	2,863.81	8.35	343.968		
2,599.85	2,598.15	2,525.86	2,525.83	7.62	1.08	-79.60	-2,850.54	-355.97	2,870.77	2,862.07	8.69	330.172		
2,700.00	2,697.44	2,656.14	2,656.10	7.72	1.53	-79.94	-2,851.00	-355.58	2,868.68	2,859.43	9.25	310.030		
2,800.00	2,796.58	2,714.69	2,714.65	7.85	1.74	-80.09	-2,851.37	-355.84	2,867.07	2,857.49	9.58	299.236		
2,900.00	2,895.72	2,783.97	2,783.92	7.99	1.98	-80.26	-2,852.72	-355.95	2,866.78	2,856.81	9.97	287.612		
2,926.45	2,921.94	2,926.45	2,870.33	8.04	2.48	-80.53	-2,854.15	-353.80	2,866.59	2,856.08	10.51	272.696		
3,000.00	2,994.86	2,971.25	2,971.09	8.16	2.64	-80.85	-2,853.79	-351.14	2,864.46	2,853.67	10.79	265.476		
3,100.00	3,094.00	3,043.29	3,043.13	8.34	2.89	-81.04	-2,853.96	-350.86	2,862.47	2,851.25	11.22	255.016		
3,200.00	3,193.14	3,172.04	3,171.88	8.54	3.34	-81.38	-2,853.57	-350.36	2,860.09	2,848.21	11.88	240.848		
3,300.00	3,292.28	3,241.02	3,240.86	8.76	3.58	-81.56	-2,853.23	-350.12	2,857.71	2,845.38	12.33	231.737		
3,400.00	3,391.42	3,297.00	3,296.84	8.99	3.78	-81.71	-2,853.89	-350.16	2,856.93	2,844.17	12.76	223.965		
3,500.00	3,490.56	3,433.12	3,432.95	9.23	4.25	-82.07	-2,855.45	-349.91	2,856.20	2,842.72	13.48	211.920		
3,600.00	3,589.70	3,543.86	3,543.69	9.49	4.65	-82.37	-2,855.85	-349.19	2,854.73	2,840.60	14.13	202.097		
3,700.00	3,688.84	3,650.19	3,650.02	9.76	5.02	-82.65	-2,855.84	-349.03	2,852.99	2,838.22	14.77	193.170		
3,800.00	3,787.98	3,745.44	3,745.26	10.04	5.35	-82.90	-2,855.76	-348.96	2,851.24	2,835.86	15.38	185.391		
3,900.00	3,887.12	3,840.32	3,840.14	10.33	5.68	-83.15	-2,855.84	-349.09	2,849.73	2,833.73	16.00	178.134		
4,000.00	3,986.26	4,000.00	4,118.55	10.62	6.25	-83.91	-2,849.96	-347.34	2,847.60	2,830.76	16.84	169.097		
4,100.00	4,085.40	4,430.00	4,428.14	10.93	7.76	-84.65	-2,820.27	-350.00	2,837.46	2,818.91	18.56	152.921		
4,200.00	4,184.54	4,585.24	4,581.59	11.24	8.33	-84.98	-2,797.15	-353.55	2,821.22	2,801.85	19.37	145.625		
4,300.00	4,283.68	4,674.74	4,669.71	11.56	8.66	-85.08	-2,783.00	-360.30	2,804.40	2,784.39	20.01	140.155		
4,400.00	4,382.82	5,118.59	5,101.78	11.89	10.49	-85.43	-2,691.02	-399.06	2,785.74	2,764.13	21.61	128.897		
4,500.00	4,481.97	5,185.00	5,165.08	12.22	10.80	-85.41	-2,673.09	-408.08	2,757.79	2,735.57	22.22	124.111		
4,600.00	4,581.11	5,238.32	5,215.90	12.56	11.05	-85.37	-2,659.37	-416.54	2,731.09	2,708.28	22.81	119.748		
4,700.00	4,680.25	5,388.38	5,359.32	12.90	11.78	-85.31	-2,620.94	-438.13	2,704.85	2,681.19	23.66	114.314		
4,800.00	4,779.39	5,450.58	5,418.58	13.25	12.09	-85.27	-2,604.49	-447.46	2,677.52	2,653.22	24.29	110.219		
4,900.00	4,878.53	5,469.00	5,436.11	13.60	12.18	-85.25	-2,599.76	-450.57	2,651.97	2,627.16	24.81	106.908		
5,000.00	4,977.67	5,530.31	5,494.47	13.96	12.49	-85.15	-2,585.31	-462.54	2,627.97	2,602.51	25.45	103.248		
5,100.00	5,076.81	5,564.00	5,526.52	14.32	12.66	-85.07	-2,578.37	-470.25	2,606.57	2,580.55	26.02	100.193		
5,200.00	5,175.95	5,613.60	5,573.70	14.68	12.91	-84.93	-2,569.19	-482.48	2,587.27	2,560.63	26.64	97.128		
5,300.00	5,275.09	5,922.14	5,867.97	15.05	14.51	-84.33	-2,504.43	-546.40	2,566.39	2,538.27	28.11	91.284		
5,400.00	5,374.23	6,054.11	5,995.22	15.42	15.17	-84.50	-2,470.57	-554.72	2,539.66	2,510.73	28.94	87.765		
5,500.00	5,473.37	6,266.14	6,198.26	15.79	16.22	-85.17	-2,409.74	-551.96	2,509.11	2,479.26	29.85	84.046		
5,600.00	5,572.51	6,359.75	6,287.35	16.16	16.69	-85.54	-2,381.27	-548.14	2,477.23	2,446.68	30.55	81.088		
5,700.00	5,671.65	6,450.89	6,374.10	16.54	17.15	-85.91	-2,353.64	-544.07	2,445.53	2,414.29	31.25	78.269		
5,800.00	5,770.79	6,536.72	6,455.82	16.92	17.58	-86.28	-2,327.72	-539.87	2,414.04	2,382.10	31.94	75.587		

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

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
5,900.00	5,869.93	6,604.00	6,520.01	17.30	17.93	-86.57	-2,307.77	-536.99	2,383.27	2,350.66	32.61	73.092		
6,000.00	5,969.07	6,657.38	6,571.17	17.68	18.19	-86.79	-2,292.66	-534.88	2,353.97	2,320.71	33.26	70.783		
6,100.00	6,068.21	6,727.49	6,638.76	18.07	18.55	-87.09	-2,274.23	-532.24	2,326.55	2,292.61	33.94	68.555		
6,200.00	6,167.35	6,847.22	6,753.95	18.45	19.17	-87.47	-2,241.67	-533.53	2,298.45	2,263.73	34.72	66.206		
6,300.00	6,266.49	6,938.99	6,842.22	18.84	19.66	-87.74	-2,216.65	-535.51	2,270.43	2,234.97	35.45	64.039		
6,400.00	6,365.63	7,022.94	6,923.00	19.23	20.11	-87.99	-2,193.90	-537.35	2,242.63	2,206.45	36.18	61.980		
6,500.00	6,464.77	7,109.71	7,006.51	19.62	20.58	-88.15	-2,171.09	-543.32	2,215.59	2,178.67	36.93	60.001		
6,600.00	6,563.91	7,299.88	7,188.57	20.01	21.64	-88.61	-2,117.10	-552.67	2,186.52	2,148.69	37.83	57.797		
6,700.00	6,663.05	7,382.03	7,266.63	20.40	22.12	-88.73	-2,092.47	-559.55	2,155.82	2,117.24	38.58	55.878		
6,800.00	6,762.19	7,500.70	7,379.09	20.80	22.83	-88.84	-2,056.87	-572.36	2,125.09	2,085.69	39.40	53.940		
6,900.00	6,861.33	7,613.28	7,482.57	21.19	23.55	-88.51	-2,022.45	-599.46	2,092.81	2,052.54	40.27	51.973		
7,000.00	6,960.47	7,849.26	7,673.61	21.59	25.34	-85.93	-1,948.11	-714.55	2,055.95	2,014.18	41.76	49.227		
7,100.00	7,059.61	7,911.15	7,715.84	21.99	25.88	-84.85	-1,929.44	-755.71	2,018.93	1,976.06	42.86	47.102		
7,200.00	7,158.75	7,927.00	7,726.00	22.38	26.02	-84.55	-1,924.95	-767.02	1,984.61	1,940.93	43.69	45.428		
7,300.00	7,257.89	7,970.75	7,752.78	22.78	26.41	-83.65	-1,913.79	-799.75	1,953.35	1,908.60	44.76	43.645		
7,400.00	7,357.03	8,021.00	7,781.28	23.18	26.88	-82.53	-1,903.73	-839.87	1,926.71	1,880.81	45.89	41.981		
7,495.63	7,451.84	8,021.00	7,781.28	23.57	26.88	-82.53	-1,903.73	-839.87	1,904.00	1,857.52	46.47	40.969		
7,500.00	7,456.17	8,021.00	7,781.28	23.58	26.88	-82.85	-1,903.73	-839.87	1,903.07	1,856.57	46.50	40.927		
7,550.00	7,505.33	8,021.00	7,781.28	23.81	26.88	-85.38	-1,903.73	-839.87	1,892.99	1,846.20	46.79	40.459		
7,600.00	7,553.51	8,021.00	7,781.28	24.06	26.88	-86.95	-1,903.73	-839.87	1,884.02	1,836.94	47.08	40.015		
7,650.00	7,600.34	8,021.00	7,781.28	24.36	26.88	-88.10	-1,903.73	-839.87	1,876.25	1,828.86	47.38	39.598		
7,700.00	7,645.48	8,021.00	7,781.28	24.70	26.88	-88.99	-1,903.73	-839.87	1,869.73	1,822.04	47.69	39.206		
7,750.00	7,688.57	8,062.58	7,803.17	25.07	27.23	-89.14	-1,898.25	-874.78	1,862.50	1,813.94	48.56	38.355		
7,800.00	7,729.30	8,072.85	7,808.38	25.49	27.32	-89.62	-1,897.40	-883.59	1,857.55	1,808.51	49.04	37.881		
7,850.00	7,767.34	8,116.00	7,829.30	25.94	27.72	-89.67	-1,895.97	-921.28	1,854.98	1,804.99	49.99	37.110		
7,900.00	7,802.41	8,116.00	7,829.30	26.45	27.72	-90.08	-1,895.97	-921.28	1,851.56	1,801.19	50.37	36.760		
7,950.00	7,834.25	8,116.00	7,829.30	27.00	27.72	-90.33	-1,895.97	-921.28	1,849.54	1,798.77	50.78	36.425		
7,995.45	7,860.17	8,116.00	7,829.30	27.54	27.72	-90.42	-1,895.97	-921.28	1,848.95	1,797.78	51.18	36.129		
8,000.00	7,862.60	8,116.00	7,829.30	27.59	27.72	-90.43	-1,895.97	-921.28	1,848.96	1,797.74	51.22	36.101		
8,050.00	7,887.26	8,142.28	7,841.12	28.24	27.94	-90.37	-1,896.35	-944.74	1,849.44	1,797.33	52.11	35.493		
8,100.00	7,908.04	8,167.64	7,851.70	28.94	28.17	-90.27	-1,897.07	-967.78	1,850.66	1,797.63	53.02	34.902		
8,150.00	7,924.78	8,211.00	7,867.85	29.68	28.57	-90.17	-1,899.10	-1,007.97	1,852.78	1,798.51	54.27	34.139		
8,200.00	7,937.35	8,227.34	7,873.31	30.46	28.73	-90.00	-1,900.05	-1,023.34	1,855.24	1,800.09	55.15	33.642		
8,250.00	7,945.65	8,284.63	7,890.00	31.28	29.33	-89.96	-1,903.22	-1,078.04	1,857.95	1,801.15	56.80	32.710		
8,300.00	7,949.63	8,348.61	7,903.55	32.12	30.09	-89.98	-1,906.45	-1,140.45	1,860.46	1,801.78	58.68	31.703		
8,320.64	7,950.00	8,376.75	7,907.35	32.47	30.44	-89.99	-1,907.71	-1,168.30	1,861.38	1,801.86	59.52	31.275		
8,400.00	7,950.00	8,446.13	7,911.95	33.88	31.39	-90.13	-1,910.68	-1,237.45	1,864.80	1,802.77	62.04	30.060		
8,500.00	7,950.00	8,510.98	7,912.85	35.75	32.33	-90.16	-1,914.25	-1,302.19	1,870.39	1,805.54	64.86	28.839		
8,600.00	7,950.00	8,569.57	7,912.62	37.73	33.23	-90.15	-1,918.93	-1,360.60	1,878.28	1,810.62	67.66	27.759		
8,700.00	7,950.00	8,645.56	7,912.23	39.79	34.45	-90.14	-1,926.38	-1,436.21	1,888.00	1,817.02	70.98	26.597		
8,800.00	7,950.00	8,800.00	7,911.67	41.92	37.18	-90.12	-1,939.16	-1,584.93	1,896.42	1,819.92	76.50	24.791		
8,900.00	7,950.00	9,046.39	7,911.14	44.11	42.21	-90.11	-1,946.31	-1,836.33	1,898.21	1,813.34	84.87	22.367		
9,000.00	7,950.00	9,185.41	7,910.92	46.36	45.29	-90.10	-1,943.37	-1,975.31	1,895.84	1,805.37	90.47	20.955		
9,100.00	7,950.00	9,253.82	7,910.96	48.65	46.84	-90.10	-1,942.15	-2,043.71	1,894.07	1,799.82	94.25	20.096		
9,200.00	7,950.00	9,340.27	7,911.03	50.98	48.83	-90.10	-1,941.99	-2,130.16	1,893.83	1,795.25	98.58	19.212		
9,300.00	7,950.00	9,460.26	7,910.28	53.34	51.64	-90.08	-1,941.31	-2,250.14	1,893.27	1,789.35	103.92	18.219		
9,400.00	7,950.00	9,577.15	7,908.68	55.74	54.43	-90.03	-1,939.36	-2,367.00	1,891.58	1,782.35	109.23	17.317		
9,500.00	7,950.00	9,698.60	7,907.12	58.16	57.38	-89.99	-1,936.06	-2,488.40	1,888.83	1,774.10	114.73	16.463		
9,600.00	7,950.00	9,817.47	7,905.90	60.60	60.31	-89.95	-1,931.72	-2,607.19	1,885.19	1,764.99	120.20	15.684		
9,700.00	7,950.00	9,923.97	7,904.70	63.06	62.96	-89.91	-1,926.87	-2,713.57	1,880.61	1,755.25	125.35	15.002		
9,800.00	7,950.00	10,016.59	7,903.78	65.54	65.28	-89.88	-1,922.77	-2,806.09	1,876.17	1,746.01	130.16	14.414		
9,900.00	7,950.00	10,098.89	7,903.06	68.04	67.36	-89.86	-1,919.63	-2,888.32	1,872.36	1,737.66	134.70	13.901		

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

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
10,000.00	7,950.00	10,187.04	7,902.37	70.55	69.58	-89.84	-1,917.17	-2,976.44	1,869.53	1,730.12	139.42	13.410		
10,100.00	7,950.00	10,274.30	7,901.46	73.08	71.79	-89.81	-1,915.05	-3,063.67	1,867.11	1,722.99	144.13	12.955		
10,200.00	7,950.00	10,351.77	7,900.74	75.61	73.75	-89.79	-1,913.99	-3,141.13	1,865.74	1,717.19	148.55	12.560		
10,256.89	7,950.00	10,394.67	7,900.32	77.06	74.84	-89.78	-1,913.83	-3,184.03	1,865.53	1,714.50	151.03	12.352		
10,300.00	7,950.00	10,428.94	7,899.94	78.16	75.71	-89.76	-1,913.93	-3,218.29	1,865.65	1,712.69	152.96	12.197		
10,400.00	7,950.00	10,516.00	7,899.09	80.71	77.93	-89.74	-1,914.42	-3,305.35	1,866.23	1,708.56	157.68	11.836		
10,500.00	7,950.00	10,584.59	7,898.52	83.28	79.67	-89.72	-1,915.63	-3,373.92	1,868.06	1,706.27	161.79	11.546		
10,600.00	7,950.00	10,663.60	7,897.94	85.85	81.67	-89.70	-1,918.51	-3,452.88	1,871.65	1,705.42	166.23	11.260		
10,700.00	7,950.00	10,765.42	7,897.19	88.43	84.26	-89.68	-1,922.64	-3,554.62	1,875.70	1,704.25	171.45	10.940		
10,800.00	7,950.00	10,932.08	7,895.77	91.01	88.54	-89.64	-1,926.32	-3,721.21	1,877.97	1,699.14	178.82	10.502		
10,900.00	7,950.00	11,096.30	7,894.09	93.60	92.80	-89.59	-1,924.10	-3,885.40	1,876.63	1,690.68	185.95	10.092		
11,000.00	7,950.00	11,186.10	7,893.25	96.20	95.14	-89.56	-1,921.56	-3,975.16	1,873.80	1,682.92	190.88	9.817		
11,100.00	7,950.00	11,274.83	7,892.56	98.80	97.46	-89.54	-1,919.57	-4,063.87	1,871.55	1,675.78	195.77	9.560		
11,200.00	7,950.00	11,398.88	7,891.60	101.41	100.71	-89.51	-1,916.62	-4,187.87	1,869.21	1,667.52	201.70	9.267		
11,300.00	7,950.00	11,569.41	7,890.30	104.02	105.19	-89.47	-1,907.79	-4,358.16	1,863.99	1,655.19	208.80	8.927		
11,400.00	7,950.00	11,673.87	7,889.37	106.63	107.95	-89.44	-1,899.92	-4,462.32	1,856.44	1,642.27	214.16	8.668		
11,500.00	7,950.00	11,744.00	7,888.71	109.25	109.81	-89.41	-1,895.61	-4,532.31	1,850.18	1,631.51	218.67	8.461		
11,600.00	7,950.00	11,803.52	7,888.16	111.88	111.38	-89.40	-1,893.07	-4,591.77	1,845.78	1,622.94	222.84	8.283		
11,700.00	7,950.00	11,885.36	7,887.44	114.50	113.54	-89.37	-1,890.81	-4,673.59	1,842.97	1,615.38	227.59	8.098		
11,800.00	7,950.00	11,964.72	7,886.71	117.13	115.63	-89.35	-1,889.02	-4,752.92	1,840.77	1,608.53	232.24	7.926		
11,868.14	7,950.00	12,007.09	7,886.35	118.92	116.74	-89.34	-1,888.73	-4,795.28	1,840.30	1,605.28	235.02	7.830		
11,900.00	7,950.00	12,028.00	7,886.19	119.76	117.29	-89.33	-1,888.80	-4,816.19	1,840.40	1,604.06	236.34	7.787		
12,000.00	7,950.00	12,198.01	7,884.93	122.39	121.78	-89.29	-1,886.39	-4,986.17	1,838.90	1,595.13	243.77	7.544		
12,100.00	7,950.00	12,285.35	7,884.14	125.03	124.09	-89.27	-1,883.67	-5,073.46	1,835.82	1,587.12	248.69	7.382		
12,200.00	7,950.00	12,421.18	7,883.00	127.67	127.69	-89.23	-1,879.03	-5,209.20	1,832.43	1,577.45	254.98	7.187		
12,300.00	7,950.00	12,487.80	7,882.52	130.31	129.45	-89.21	-1,876.66	-5,275.78	1,828.86	1,569.51	259.35	7.052		
12,400.00	7,950.00	12,541.95	7,882.06	132.95	130.88	-89.20	-1,875.84	-5,329.92	1,827.39	1,564.16	263.23	6.942		
12,405.69	7,950.00	12,544.87	7,882.04	133.10	130.96	-89.20	-1,875.84	-5,332.84	1,827.38	1,563.94	263.44	6.937 CC		
12,500.00	7,950.00	12,595.00	7,881.56	135.60	132.28	-89.18	-1,876.49	-5,382.96	1,828.57	1,561.65	266.92	6.851		
12,600.00	7,950.00	12,641.54	7,881.25	138.24	133.50	-89.17	-1,878.33	-5,429.46	1,832.49	1,562.31	270.17	6.783		
12,700.00	7,950.00	12,690.00	7,881.26	140.89	134.76	-89.18	-1,881.61	-5,477.81	1,839.23	1,565.94	273.29	6.730		
12,800.00	7,950.00	12,867.24	7,881.38	143.54	139.39	-89.19	-1,891.88	-5,654.74	1,844.81	1,563.06	281.75	6.548		
12,900.00	7,950.00	12,996.84	7,881.37	146.19	142.81	-89.19	-1,895.78	-5,784.28	1,847.77	1,559.63	288.14	6.413		
13,000.00	7,950.00	13,103.81	7,881.49	148.84	145.63	-89.19	-1,898.10	-5,891.23	1,849.93	1,556.23	293.70	6.299		
13,100.00	7,950.00	13,209.81	7,881.79	151.50	148.43	-89.20	-1,899.96	-5,997.21	1,851.66	1,552.44	299.22	6.188		
13,200.00	7,950.00	13,296.97	7,882.33	154.15	150.74	-89.22	-1,901.51	-6,084.35	1,853.44	1,549.36	304.08	6.095		
13,300.00	7,950.00	13,399.07	7,882.88	156.81	153.44	-89.24	-1,904.36	-6,186.41	1,856.22	1,546.75	309.47	5.998		
13,400.00	7,950.00	13,532.59	7,883.71	159.47	156.98	-89.26	-1,905.83	-6,319.91	1,857.23	1,541.29	315.94	5.878		
13,500.00	7,950.00	13,682.46	7,885.61	162.13	160.97	-89.32	-1,904.21	-6,469.76	1,856.03	1,533.23	322.80	5.750		
13,600.00	7,950.00	13,790.98	7,887.37	164.79	163.86	-89.37	-1,901.36	-6,578.22	1,853.36	1,524.99	328.38	5.644		
13,700.00	7,950.00	13,882.25	7,888.85	167.45	166.30	-89.42	-1,899.01	-6,669.45	1,850.77	1,517.30	333.47	5.550		
13,800.00	7,950.00	13,963.45	7,890.12	170.11	168.47	-89.46	-1,897.52	-6,750.63	1,848.92	1,510.67	338.25	5.466		
13,900.00	7,950.00	14,043.69	7,891.58	172.77	170.60	-89.50	-1,897.01	-6,830.85	1,848.24	1,505.27	342.98	5.389		
13,925.90	7,950.00	14,065.88	7,891.99	173.46	171.20	-89.52	-1,897.00	-6,853.04	1,848.22	1,503.98	344.24	5.369		
14,000.00	7,950.00	14,129.66	7,893.15	175.44	172.89	-89.55	-1,897.20	-6,916.81	1,848.43	1,500.57	347.85	5.314		
14,100.00	7,950.00	14,238.19	7,895.82	178.10	175.78	-89.63	-1,898.08	-7,025.30	1,849.24	1,495.77	353.47	5.232		
14,200.00	7,950.00	14,356.22	7,899.94	180.77	178.93	-89.76	-1,896.98	-7,143.26	1,848.17	1,488.78	359.39	5.143		
14,269.08	7,950.00	14,409.22	7,901.78	182.61	180.34	-89.82	-1,896.71	-7,196.23	1,847.82	1,485.25	362.57	5.096		
14,300.00	7,950.00	14,430.13	7,902.50	183.43	180.90	-89.84	-1,896.77	-7,217.12	1,847.91	1,484.01	363.89	5.078		
14,400.00	7,950.00	14,498.38	7,904.90	186.10	182.71	-89.92	-1,897.76	-7,285.32	1,849.32	1,481.21	368.12	5.024		
14,500.00	7,950.00	14,569.47	7,907.36	188.77	184.60	-89.99	-1,899.93	-7,356.33	1,852.37	1,480.02	372.34	4.975		
14,600.00	7,950.00	14,669.14	7,910.83	191.43	187.24	-90.10	-1,903.86	-7,455.87	1,856.30	1,478.64	377.66	4.915		

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



# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
14,700.00	7,950.00	14,812.82	7,915.86	194.10	191.05	-90.25	-1,907.24	-7,599.41	1,858.51	1,473.87	384.64	4.832		
14,800.00	7,950.00	14,909.86	7,919.31	196.77	193.63	-90.36	-1,908.72	-7,696.38	1,860.04	1,470.16	389.88	4.771		
14,900.00	7,950.00	15,005.35	7,922.85	199.44	196.17	-90.47	-1,910.42	-7,791.79	1,861.84	1,466.78	395.05	4.713		
15,000.00	7,950.00	15,107.72	7,926.64	202.11	198.90	-90.59	-1,912.35	-7,894.07	1,863.74	1,463.27	400.48	4.654		
15,100.00	7,950.00	15,211.47	7,931.69	204.78	202.46	-90.74	-1,913.74	-8,027.72	1,864.87	1,457.91	406.96	4.582		
15,200.00	7,950.00	15,317.40	7,935.50	207.45	205.29	-90.86	-1,913.48	-8,133.58	1,864.67	1,452.18	412.49	4.521		
15,300.00	7,950.00	15,424.34	7,939.15	210.13	207.96	-90.97	-1,913.09	-8,233.45	1,864.33	1,446.50	417.83	4.462		
15,311.97	7,950.00	15,459.30	7,939.58	210.45	208.28	-90.98	-1,913.05	-8,245.40	1,864.28	1,445.82	418.47	4.455 ES		
15,400.00	7,950.00	15,453.00	7,939.35	212.80	208.11	-90.98	-1,913.07	-8,239.10	1,866.37	1,446.69	419.68	4.447 SF		
15,500.00	7,950.00	15,453.00	7,939.35	215.47	208.11	-90.98	-1,913.07	-8,239.10	1,873.75	1,453.58	420.17	4.459		
15,600.00	7,950.00	15,453.00	7,939.35	218.15	208.11	-90.98	-1,913.07	-8,239.10	1,886.42	1,466.91	419.51	4.497		
15,700.00	7,950.00	15,453.00	7,939.35	220.82	208.11	-90.98	-1,913.07	-8,239.10	1,904.25	1,486.52	417.73	4.559		
15,800.00	7,950.00	15,453.00	7,939.35	223.49	208.11	-90.98	-1,913.07	-8,239.10	1,927.12	1,512.20	414.92	4.645		
15,900.00	7,950.00	15,453.00	7,939.35	226.17	208.11	-90.98	-1,913.07	-8,239.10	1,954.84	1,543.67	411.17	4.754		
16,000.00	7,950.00	15,453.00	7,939.35	228.84	208.11	-90.98	-1,913.07	-8,239.10	1,987.21	1,580.62	406.59	4.888		
16,100.00	7,950.00	15,453.00	7,939.35	231.52	208.11	-90.98	-1,913.07	-8,239.10	2,024.01	1,622.72	401.29	5.044		
16,200.00	7,950.00	15,453.00	7,939.35	234.20	208.11	-90.98	-1,913.07	-8,239.10	2,065.00	1,669.60	395.40	5.223		
16,300.00	7,950.00	15,453.00	7,939.35	236.87	208.11	-90.98	-1,913.07	-8,239.10	2,109.93	1,720.91	389.02	5.424		
16,400.00	7,950.00	15,453.00	7,939.35	239.55	208.11	-90.98	-1,913.07	-8,239.10	2,158.57	1,776.30	382.27	5.647		
16,500.00	7,950.00	15,453.00	7,939.35	242.22	208.11	-90.98	-1,913.07	-8,239.10	2,210.66	1,835.41	375.25	5.891		
16,600.00	7,950.00	15,453.00	7,939.35	244.90	208.11	-90.98	-1,913.07	-8,239.10	2,265.98	1,897.93	368.04	6.157		
16,700.00	7,950.00	15,453.00	7,939.35	247.58	208.11	-90.98	-1,913.07	-8,239.10	2,324.27	1,963.54	360.73	6.443		
16,800.00	7,950.00	15,453.00	7,939.35	250.26	208.11	-90.98	-1,913.07	-8,239.10	2,385.34	2,031.96	353.38	6.750		
16,900.00	7,950.00	15,453.00	7,939.35	252.94	208.11	-90.98	-1,913.07	-8,239.10	2,448.97	2,102.92	346.05	7.077		
17,000.00	7,950.00	15,453.00	7,939.35	255.61	208.11	-90.98	-1,913.07	-8,239.10	2,514.97	2,176.18	338.79	7.423		
17,100.00	7,950.00	15,453.00	7,939.35	258.29	208.11	-90.98	-1,913.07	-8,239.10	2,583.15	2,251.53	331.63	7.789		
17,200.00	7,950.00	15,453.00	7,939.35	260.97	208.11	-90.98	-1,913.07	-8,239.10	2,653.35	2,328.75	324.60	8.174		
17,300.00	7,950.00	15,453.00	7,939.35	263.65	208.11	-90.98	-1,913.07	-8,239.10	2,725.42	2,407.68	317.74	8.578		
17,400.00	7,950.00	15,453.00	7,939.35	266.33	208.11	-90.98	-1,913.07	-8,239.10	2,799.20	2,488.15	311.05	8.999		
17,500.00	7,950.00	15,453.00	7,939.35	269.01	208.11	-90.98	-1,913.07	-8,239.10	2,874.56	2,570.02	304.54	9.439		
17,600.00	7,950.00	15,453.00	7,939.35	271.69	208.11	-90.98	-1,913.07	-8,239.10	2,951.39	2,653.15	298.24	9.896		
17,700.00	7,950.00	15,453.00	7,939.35	274.37	208.11	-90.98	-1,913.07	-8,239.10	3,029.58	2,737.44	292.13	10.370		
17,800.00	7,950.00	15,453.00	7,939.35	277.05	208.11	-90.98	-1,913.07	-8,239.10	3,109.01	2,822.77	286.23	10.862		
17,900.00	7,950.00	15,453.00	7,939.35	279.73	208.11	-90.98	-1,913.07	-8,239.10	3,189.60	2,909.06	280.54	11.370		
18,000.00	7,950.00	15,453.00	7,939.35	282.41	208.11	-90.98	-1,913.07	-8,239.10	3,271.26	2,996.22	275.04	11.894		
18,100.00	7,950.00	15,453.00	7,939.35	285.09	208.11	-90.98	-1,913.07	-8,239.10	3,353.92	3,084.17	269.75	12.434		
18,200.00	7,950.00	15,453.00	7,939.35	287.77	208.11	-90.98	-1,913.07	-8,239.10	3,437.49	3,172.85	264.65	12.989		
18,300.00	7,950.00	15,453.00	7,939.35	290.45	208.11	-90.98	-1,913.07	-8,239.10	3,521.93	3,262.20	259.73	13.560		
18,400.00	7,950.00	15,453.00	7,939.35	293.14	208.11	-90.98	-1,913.07	-8,239.10	3,607.16	3,352.15	255.00	14.145		
18,500.00	7,950.00	15,453.00	7,939.35	295.82	208.11	-90.98	-1,913.07	-8,239.10	3,693.13	3,442.67	250.45	14.746		
18,600.00	7,950.00	15,453.00	7,939.35	298.50	208.11	-90.98	-1,913.07	-8,239.10	3,779.79	3,533.71	246.08	15.360		
18,700.00	7,950.00	15,453.00	7,939.35	301.18	208.11	-90.98	-1,913.07	-8,239.10	3,867.09	3,625.23	241.86	15.989		
18,800.00	7,950.00	15,453.00	7,939.35	303.86	208.11	-90.98	-1,913.07	-8,239.10	3,955.00	3,717.19	237.81	16.631		
18,900.00	7,950.00	15,453.00	7,939.35	306.55	208.11	-90.98	-1,913.07	-8,239.10	4,043.47	3,809.56	233.91	17.286		
19,000.00	7,950.00	15,453.00	7,939.35	309.23	208.11	-90.98	-1,913.07	-8,239.10	4,132.46	3,902.30	230.16	17.955		
19,100.00	7,950.00	15,453.00	7,939.35	311.91	208.11	-90.98	-1,913.07	-8,239.10	4,221.95	3,995.40	226.54	18.636		
19,200.00	7,950.00	15,453.00	7,939.35	314.59	208.11	-90.98	-1,913.07	-8,239.10	4,311.90	4,088.83	223.07	19.330		
19,300.00	7,950.00	15,453.00	7,939.35	317.28	208.11	-90.98	-1,913.07	-8,239.10	4,402.28	4,182.56	219.72	20.036		
19,400.00	7,950.00	15,453.00	7,939.35	319.96	208.11	-90.98	-1,913.07	-8,239.10	4,493.07	4,276.58	216.49	20.754		
19,500.00	7,950.00	15,453.00	7,939.35	322.64	208.11	-90.98	-1,913.07	-8,239.10	4,584.24	4,370.86	213.38	21.484		
19,600.00	7,950.00	15,453.00	7,939.35	325.33	208.11	-90.98	-1,913.07	-8,239.10	4,675.78	4,465.39	210.39	22.224		
19,700.00	7,950.00	15,453.00	7,939.35	328.01	208.11	-90.98	-1,913.07	-8,239.10	4,767.65	4,560.15	207.50	22.976		

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



# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
19,800.00	7,950.00	15,453.00	7,939.35	330.69	208.11	-90.98	-1,913.07	-8,239.10	4,859.85	4,655.13	204.72	23.739		
19,900.00	7,950.00	15,453.00	7,939.35	333.38	208.11	-90.98	-1,913.07	-8,239.10	4,952.34	4,750.31	202.04	24.512		
20,000.00	7,950.00	15,453.00	7,939.35	336.06	208.11	-90.98	-1,913.07	-8,239.10	5,045.13	4,845.68	199.45	25.296		
20,100.00	7,950.00	15,453.00	7,939.35	338.74	208.11	-90.98	-1,913.07	-8,239.10	5,138.18	4,941.23	196.95	26.089		
20,200.00	7,950.00	15,453.00	7,939.35	341.43	208.11	-90.98	-1,913.07	-8,239.10	5,231.49	5,036.96	194.54	26.892		
20,300.00	7,950.00	15,453.00	7,939.35	344.11	208.11	-90.98	-1,913.07	-8,239.10	5,325.05	5,132.84	192.21	27.705		
20,400.00	7,950.00	15,453.00	7,939.35	346.80	208.11	-90.98	-1,913.07	-8,239.10	5,418.83	5,228.87	189.96	28.526		
20,500.00	7,950.00	15,453.00	7,939.35	349.48	208.11	-90.98	-1,913.07	-8,239.10	5,512.84	5,325.05	187.78	29.357		
20,600.00	7,950.00	15,453.00	7,939.35	352.17	208.11	-90.98	-1,913.07	-8,239.10	5,607.05	5,421.36	185.68	30.197		
20,700.00	7,950.00	15,453.00	7,939.35	354.85	208.11	-90.98	-1,913.07	-8,239.10	5,701.45	5,517.80	183.65	31.045		
20,800.00	7,950.00	15,453.00	7,939.35	357.54	208.11	-90.98	-1,913.07	-8,239.10	5,796.05	5,614.36	181.69	31.901		
20,900.00	7,950.00	15,453.00	7,939.35	360.22	208.11	-90.98	-1,913.07	-8,239.10	5,890.82	5,711.03	179.79	32.765		
21,000.00	7,950.00	15,453.00	7,939.35	362.91	208.11	-90.98	-1,913.07	-8,239.10	5,985.77	5,807.81	177.95	33.637		
21,100.00	7,950.00	15,453.00	7,939.35	365.59	208.11	-90.98	-1,913.07	-8,239.10	6,080.87	5,904.70	176.17	34.516		
21,200.00	7,950.00	15,453.00	7,939.35	368.28	208.11	-90.98	-1,913.07	-8,239.10	6,176.13	6,001.68	174.45	35.403		
21,300.00	7,950.00	15,453.00	7,939.35	370.96	208.11	-90.98	-1,913.07	-8,239.10	6,271.54	6,098.76	172.78	36.297		
21,400.00	7,950.00	15,453.00	7,939.35	373.65	208.11	-90.98	-1,913.07	-8,239.10	6,367.09	6,195.92	171.17	37.198		
21,500.00	7,950.00	15,453.00	7,939.35	376.33	208.11	-90.98	-1,913.07	-8,239.10	6,462.77	6,293.17	169.60	38.106		
21,600.00	7,950.00	15,453.00	7,939.35	379.02	208.11	-90.98	-1,913.07	-8,239.10	6,558.59	6,390.50	168.09	39.019		
21,700.00	7,950.00	15,453.00	7,939.35	381.70	208.11	-90.98	-1,913.07	-8,239.10	6,654.52	6,487.91	166.61	39.940		
21,800.00	7,950.00	15,453.00	7,939.35	384.39	208.11	-90.98	-1,913.07	-8,239.10	6,750.57	6,585.39	165.19	40.866		
21,900.00	7,950.00	15,453.00	7,939.35	387.07	208.11	-90.98	-1,913.07	-8,239.10	6,846.74	6,682.94	163.81	41.798		
22,000.00	7,950.00	15,453.00	7,939.35	389.76	208.11	-90.98	-1,913.07	-8,239.10	6,943.02	6,780.55	162.46	42.736		
22,100.00	7,950.00	15,453.00	7,939.35	392.44	208.11	-90.98	-1,913.07	-8,239.10	7,039.39	6,878.23	161.16	43.679		
22,200.00	7,950.00	15,453.00	7,939.35	395.13	208.11	-90.98	-1,913.07	-8,239.10	7,135.87	6,975.97	159.90	44.627		
22,300.00	7,950.00	15,453.00	7,939.35	397.82	208.11	-90.98	-1,913.07	-8,239.10	7,232.45	7,073.77	158.67	45.581		
22,400.00	7,950.00	15,453.00	7,939.35	400.50	208.11	-90.98	-1,913.07	-8,239.10	7,329.11	7,171.63	157.48	46.539		
22,500.00	7,950.00	15,453.00	7,939.35	403.19	208.11	-90.98	-1,913.07	-8,239.10	7,425.87	7,269.54	156.33	47.502		
22,600.00	7,950.00	15,453.00	7,939.35	405.88	208.11	-90.98	-1,913.07	-8,239.10	7,522.71	7,367.50	155.20	48.470		
22,700.00	7,950.00	15,453.00	7,939.35	408.56	208.11	-90.98	-1,913.07	-8,239.10	7,619.63	7,465.52	154.11	49.442		
22,800.00	7,950.00	15,453.00	7,939.35	411.25	208.11	-90.98	-1,913.07	-8,239.10	7,716.63	7,563.58	153.05	50.418		
22,900.00	7,950.00	15,453.00	7,939.35	413.93	208.11	-90.98	-1,913.07	-8,239.10	7,813.70	7,661.68	152.02	51.399		
23,000.00	7,950.00	15,453.00	7,939.35	416.62	208.11	-90.98	-1,913.07	-8,239.10	7,910.85	7,759.83	151.02	52.383		
23,100.00	7,950.00	15,453.00	7,939.35	419.31	208.11	-90.98	-1,913.07	-8,239.10	8,008.07	7,858.02	150.05	53.371		
23,200.00	7,950.00	15,453.00	7,939.35	421.99	208.11	-90.98	-1,913.07	-8,239.10	8,105.35	7,956.25	149.10	54.362		
23,306.83	7,950.00	15,453.00	7,939.35	424.86	208.11	-90.98	-1,913.07	-8,239.10	8,209.36	8,061.24	148.12	55.425		

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
0.00	0.00	2,178.05	2,178.02	0.00	0.00	-172.88	-2,849.98	-355.80	3,630.32					
29.48	29.48	2,178.05	2,178.02	0.01	0.00	24.96	-2,849.98	-355.80	3,612.35	3,610.95	1.40	2,586.340		
60.08	60.08	2,178.05	2,178.02	0.12	0.00	-23.95	-2,849.98	-355.80	3,593.73	3,592.34	1.39	2,576.582		
90.68	90.68	2,178.05	2,178.02	0.23	0.00	-30.64	-2,849.98	-355.80	3,575.22	3,573.82	1.40	2,559.240		
121.28	121.28	2,178.05	2,178.02	0.34	0.00	-29.63	-2,849.98	-355.80	3,556.90	3,555.50	1.40	2,544.905		
151.88	151.88	2,178.05	2,178.02	0.45	0.00	-4.11	-2,849.98	-355.80	3,538.76	3,537.35	1.41	2,517.077		
182.48	182.47	2,178.05	2,178.02	0.56	0.00	-39.49	-2,849.98	-355.80	3,520.76	3,519.33	1.42	2,473.000		
213.08	213.07	2,178.05	2,178.02	0.67	0.00	-40.89	-2,849.98	-355.80	3,502.86	3,501.41	1.45	2,416.939		
243.68	243.67	2,178.05	2,178.02	0.78	0.00	-39.84	-2,849.98	-355.80	3,485.12	3,483.64	1.48	2,357.741		
286.38	286.36	2,178.05	2,178.02	0.93	0.00	-54.71	-2,849.98	-355.80	3,460.65	3,459.12	1.53	2,269.023		
329.08	329.05	2,178.05	2,178.02	1.08	0.00	-62.05	-2,849.98	-355.80	3,436.53	3,434.95	1.58	2,171.180		
371.78	371.73	2,178.05	2,178.02	1.24	0.00	-67.78	-2,849.98	-355.80	3,412.77	3,411.12	1.65	2,068.228		
414.48	414.41	2,178.05	2,178.02	1.39	0.00	-80.33	-2,849.98	-355.80	3,389.49	3,387.77	1.72	1,968.366		
457.18	457.07	2,178.05	2,178.02	1.54	0.00	-92.08	-2,849.98	-355.80	3,366.84	3,365.04	1.80	1,872.434		
499.88	499.73	2,178.05	2,178.02	1.70	0.00	-93.22	-2,849.98	-355.80	3,344.73	3,342.84	1.89	1,773.158		
542.58	542.37	2,178.05	2,178.02	1.85	0.00	-92.93	-2,849.98	-355.80	3,323.04	3,321.05	1.99	1,672.410		
585.28	584.99	2,178.05	2,178.02	2.00	0.00	-95.22	-2,849.98	-355.80	3,301.80	3,299.71	2.09	1,576.910		
627.98	627.61	2,178.05	2,178.02	2.16	0.00	-93.32	-2,849.98	-355.80	3,280.99	3,278.78	2.21	1,485.920		
670.68	670.24	2,178.05	2,178.02	2.31	0.00	-86.02	-2,849.98	-355.80	3,260.44	3,258.11	2.33	1,398.141		
713.38	712.89	2,178.05	2,178.02	2.47	0.00	-84.87	-2,849.98	-355.80	3,240.19	3,237.73	2.46	1,317.957		
756.08	755.57	2,178.05	2,178.02	2.62	0.00	-89.76	-2,849.98	-355.80	3,220.46	3,217.88	2.58	1,246.542		
798.78	798.26	2,178.05	2,178.02	2.78	0.00	-95.58	-2,849.98	-355.80	3,201.29	3,198.58	2.71	1,180.856		
841.48	840.95	2,178.05	2,178.02	2.93	0.00	-123.40	-2,849.98	-355.80	3,182.67	3,179.83	2.84	1,120.270		
884.18	883.65	2,178.05	2,178.02	3.08	0.00	-112.97	-2,849.98	-355.80	3,164.53	3,161.56	2.98	1,063.698		
926.88	926.35	2,178.05	2,178.02	3.23	0.00	-105.55	-2,849.98	-355.80	3,146.80	3,143.69	3.11	1,010.632		
969.58	969.05	2,178.05	2,178.02	3.38	0.00	-65.77	-2,849.98	-355.80	3,129.46	3,126.20	3.26	961.237		
1,012.28	1,011.75	2,178.05	2,178.02	3.53	0.00	-123.04	-2,849.98	-355.80	3,112.68	3,109.28	3.40	916.228		
1,054.98	1,054.45	2,178.05	2,178.02	3.68	0.00	-97.37	-2,849.98	-355.80	3,096.47	3,092.93	3.54	874.336		
1,097.68	1,097.15	2,178.05	2,178.02	3.84	0.00	-44.42	-2,849.98	-355.80	3,080.54	3,076.85	3.69	834.481		
1,140.38	1,139.85	2,178.05	2,178.02	3.99	0.00	-86.34	-2,849.98	-355.80	3,065.09	3,061.25	3.84	798.012		
1,183.08	1,182.55	2,178.05	2,178.02	4.14	0.00	-90.92	-2,849.98	-355.80	3,050.29	3,046.30	3.99	764.304		
1,225.78	1,225.24	2,178.05	2,178.02	4.29	0.00	-83.61	-2,849.98	-355.80	3,036.01	3,031.87	4.14	732.583		
1,268.48	1,267.94	2,178.05	2,178.02	4.44	0.00	145.78	-2,849.98	-355.80	3,022.43	3,018.14	4.29	704.195		
1,311.18	1,310.64	2,178.05	2,178.02	4.58	0.00	161.31	-2,849.98	-355.80	3,009.64	3,005.20	4.44	678.416		
1,353.88	1,353.34	2,178.05	2,178.02	4.72	0.00	149.37	-2,849.98	-355.80	2,997.47	2,992.89	4.58	653.899		
1,396.58	1,396.03	2,178.05	2,178.02	4.87	0.00	166.97	-2,849.98	-355.80	2,986.02	2,981.29	4.73	630.879		
1,439.28	1,438.72	2,178.05	2,178.02	5.01	0.00	144.54	-2,849.98	-355.80	2,975.21	2,970.32	4.88	609.177		
1,481.98	1,481.42	2,178.05	2,178.02	5.15	0.00	159.11	-2,849.98	-355.80	2,964.85	2,959.81	5.04	588.652		
1,524.68	1,524.11	2,178.05	2,178.02	5.30	0.00	149.13	-2,849.98	-355.80	2,955.04	2,949.85	5.19	569.372		
1,567.38	1,566.81	2,178.05	2,178.02	5.44	0.00	164.96	-2,849.98	-355.80	2,945.82	2,940.47	5.34	551.216		
1,610.08	1,609.51	2,178.05	2,178.02	5.59	0.00	142.71	-2,849.98	-355.80	2,937.13	2,931.63	5.50	534.111		
1,652.78	1,652.20	2,178.05	2,178.02	5.73	0.00	111.39	-2,849.98	-355.80	2,928.86	2,923.21	5.65	518.105		
1,695.48	1,694.90	2,178.05	2,178.02	5.88	0.00	116.98	-2,849.98	-355.80	2,921.07	2,915.27	5.81	503.081		
1,738.18	1,737.60	2,178.05	2,178.02	6.02	0.00	115.85	-2,849.98	-355.80	2,913.86	2,907.90	5.96	488.918		
1,780.88	1,780.30	2,178.05	2,178.02	6.17	0.00	88.96	-2,849.98	-355.80	2,907.17	2,901.05	6.11	475.553		
1,823.58	1,823.00	2,178.05	2,178.02	6.31	0.00	93.76	-2,849.98	-355.80	2,901.02	2,894.75	6.27	462.959		
1,866.28	1,865.69	2,178.05	2,178.02	6.46	0.00	94.54	-2,849.98	-355.80	2,895.51	2,889.09	6.42	451.080		
1,908.98	1,908.39	2,178.05	2,178.02	6.60	0.00	103.69	-2,849.98	-355.80	2,890.67	2,884.10	6.57	439.862		
1,951.68	1,951.09	2,178.05	2,178.02	6.75	0.00	96.56	-2,849.98	-355.80	2,886.47	2,879.75	6.72	429.254		
1,994.38	1,993.78	2,178.05	2,178.02	6.89	0.00	101.86	-2,849.98	-355.80	2,882.89	2,876.02	6.88	419.234		
2,037.08	2,036.48	2,178.05	2,178.02	7.04	0.00	97.97	-2,849.98	-355.80	2,879.97	2,872.94	7.03	409.773		
2,079.78	2,079.17	2,178.05	2,178.02	7.19	0.00	81.33	-2,849.98	-355.80	2,877.56	2,870.38	7.18	400.824		

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

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
2,122.48	2,121.87	2,178.05	2,178.02	7.33	0.00	103.80	-2,849.98	-355.80	2,875.82	2,868.49	7.33	392.377		
2,177.48	2,176.86	2,178.05	2,178.02	7.43	0.00	103.80	-2,849.98	-355.80	2,874.67	2,867.24	7.43	387.056		
2,200.00	2,199.38	2,178.05	2,178.02	7.43	0.00	106.22	-2,849.98	-355.80	2,874.49	2,867.06	7.43	386.935		
2,300.00	2,299.37	2,258.68	2,258.65	7.45	0.14	-80.39	-2,849.98	-355.71	2,874.30	2,866.71	7.59	378.684		
2,400.00	2,399.27	2,357.99	2,357.96	7.48	0.50	-79.60	-2,849.94	-355.67	2,873.47	2,865.49	7.98	359.952		
2,500.00	2,498.95	2,448.50	2,448.47	7.54	0.81	-79.51	-2,850.03	-355.92	2,872.16	2,863.81	8.35	343.968		
2,599.85	2,598.15	2,525.86	2,525.83	7.62	1.08	-79.60	-2,850.54	-355.97	2,870.77	2,862.07	8.69	330.172		
2,700.00	2,697.44	2,656.14	2,656.10	7.72	1.53	-79.94	-2,851.00	-355.58	2,868.68	2,859.43	9.25	310.030		
2,800.00	2,796.58	2,714.69	2,714.65	7.85	1.74	-80.09	-2,851.37	-355.84	2,867.07	2,857.49	9.58	299.236		
2,900.00	2,895.72	2,783.97	2,783.92	7.99	1.98	-80.26	-2,852.72	-355.95	2,866.78	2,856.81	9.97	287.612		
2,926.45	2,921.94	2,926.45	2,870.33	8.04	2.48	-80.53	-2,854.15	-353.80	2,866.59	2,856.08	10.51	272.696		
3,000.00	2,994.86	2,971.25	2,971.09	8.16	2.64	-80.85	-2,853.79	-351.14	2,864.46	2,853.67	10.79	265.476		
3,100.00	3,094.00	3,043.29	3,043.13	8.34	2.89	-81.04	-2,853.96	-350.86	2,862.47	2,851.25	11.22	255.016		
3,200.00	3,193.14	3,172.04	3,171.88	8.54	3.34	-81.38	-2,853.57	-350.36	2,860.09	2,848.21	11.88	240.848		
3,300.00	3,292.28	3,241.02	3,240.86	8.76	3.58	-81.56	-2,853.23	-350.12	2,857.71	2,845.38	12.33	231.737		
3,400.00	3,391.42	3,297.00	3,296.84	8.99	3.78	-81.71	-2,853.89	-350.16	2,856.93	2,844.17	12.76	223.965		
3,500.00	3,490.56	3,433.12	3,432.95	9.23	4.25	-82.07	-2,855.45	-349.91	2,856.20	2,842.72	13.48	211.920		
3,600.00	3,589.70	3,543.86	3,543.69	9.49	4.65	-82.37	-2,855.85	-349.19	2,854.73	2,840.60	14.13	202.097		
3,700.00	3,688.84	3,650.19	3,650.02	9.76	5.02	-82.65	-2,855.84	-349.03	2,852.99	2,838.22	14.77	193.170		
3,800.00	3,787.98	3,745.44	3,745.26	10.04	5.35	-82.90	-2,855.76	-348.96	2,851.24	2,835.86	15.38	185.391		
3,900.00	3,887.12	3,840.32	3,840.14	10.33	5.68	-83.15	-2,855.84	-349.09	2,849.73	2,833.73	16.00	178.134		
4,000.00	3,986.26	4,000.00	4,118.55	10.62	6.25	-83.91	-2,849.96	-347.34	2,847.60	2,830.76	16.84	169.097		
4,100.00	4,085.40	4,430.00	4,428.14	10.93	7.76	-84.65	-2,820.27	-350.00	2,837.46	2,818.91	18.56	152.921		
4,200.00	4,184.54	4,585.24	4,581.59	11.24	8.33	-84.98	-2,797.15	-353.55	2,821.22	2,801.85	19.37	145.625		
4,300.00	4,283.68	4,674.74	4,669.71	11.56	8.66	-85.08	-2,783.00	-360.30	2,804.40	2,784.39	20.01	140.155		
4,400.00	4,382.82	5,118.59	5,101.78	11.89	10.49	-85.43	-2,691.02	-399.06	2,785.74	2,764.13	21.61	128.897		
4,500.00	4,481.97	5,185.00	5,165.08	12.22	10.80	-85.41	-2,673.09	-408.08	2,757.79	2,735.57	22.22	124.111		
4,600.00	4,581.11	5,238.32	5,215.90	12.56	11.05	-85.37	-2,659.37	-416.54	2,731.09	2,708.28	22.81	119.748		
4,700.00	4,680.25	5,388.38	5,359.32	12.90	11.78	-85.31	-2,620.94	-438.13	2,704.85	2,681.19	23.66	114.314		
4,800.00	4,779.39	5,450.58	5,418.58	13.25	12.09	-85.27	-2,604.49	-447.46	2,677.52	2,653.22	24.29	110.219		
4,900.00	4,878.53	5,469.00	5,436.11	13.60	12.18	-85.25	-2,599.76	-450.57	2,651.97	2,627.16	24.81	106.908		
5,000.00	4,977.67	5,530.31	5,494.47	13.96	12.49	-85.15	-2,585.31	-462.54	2,627.97	2,602.51	25.45	103.248		
5,100.00	5,076.81	5,564.00	5,526.52	14.32	12.66	-85.07	-2,578.37	-470.25	2,606.57	2,580.55	26.02	100.193		
5,200.00	5,175.95	5,613.60	5,573.70	14.68	12.91	-84.93	-2,569.19	-482.48	2,587.27	2,560.63	26.64	97.128		
5,300.00	5,275.09	5,922.14	5,867.97	15.05	14.51	-84.33	-2,504.43	-546.40	2,566.39	2,538.27	28.11	91.284		
5,400.00	5,374.23	6,054.11	5,995.22	15.42	15.17	-84.50	-2,470.57	-554.72	2,539.66	2,510.73	28.94	87.765		
5,500.00	5,473.37	6,266.14	6,198.26	15.79	16.22	-85.17	-2,409.74	-551.96	2,509.11	2,479.26	29.85	84.046		
5,600.00	5,572.51	6,359.75	6,287.35	16.16	16.69	-85.54	-2,381.27	-548.14	2,477.23	2,446.68	30.55	81.088		
5,700.00	5,671.65	6,450.89	6,374.10	16.54	17.15	-85.91	-2,353.64	-544.07	2,445.53	2,414.29	31.25	78.269		
5,800.00	5,770.79	6,536.72	6,455.82	16.92	17.58	-86.28	-2,327.72	-539.87	2,414.04	2,382.10	31.94	75.587		
5,900.00	5,869.93	6,604.00	6,520.01	17.30	17.93	-86.57	-2,307.77	-536.99	2,383.27	2,350.66	32.61	73.092		
6,000.00	5,969.07	6,657.38	6,571.17	17.68	18.19	-86.79	-2,292.66	-534.88	2,353.97	2,320.71	33.26	70.783		
6,100.00	6,068.21	6,727.49	6,638.76	18.07	18.55	-87.09	-2,274.23	-532.24	2,326.55	2,292.61	33.94	68.555		
6,200.00	6,167.35	6,847.22	6,753.95	18.45	19.17	-87.47	-2,241.67	-533.53	2,298.45	2,263.73	34.72	66.206		
6,300.00	6,266.49	6,938.99	6,842.22	18.84	19.66	-87.74	-2,216.65	-535.51	2,270.43	2,234.97	35.45	64.039		
6,400.00	6,365.63	7,022.94	6,923.00	19.23	20.11	-87.99	-2,193.90	-537.35	2,242.63	2,206.45	36.18	61.980		
6,500.00	6,464.77	7,109.71	7,006.51	19.62	20.58	-88.15	-2,171.09	-543.32	2,215.59	2,178.67	36.93	60.001		
6,600.00	6,563.91	7,299.88	7,188.57	20.01	21.64	-88.61	-2,117.10	-552.67	2,186.52	2,148.69	37.83	57.797		
6,700.00	6,663.05	7,382.03	7,266.63	20.40	22.12	-88.73	-2,092.47	-559.55	2,155.82	2,117.24	38.58	55.878		
6,800.00	6,762.19	7,500.70	7,379.09	20.80	22.83	-88.84	-2,056.87	-572.36	2,125.09	2,085.69	39.40	53.940		
6,900.00	6,861.33	7,613.28	7,482.57	21.19	23.55	-88.51	-2,022.45	-599.46	2,092.81	2,052.54	40.27	51.973		
7,000.00	6,960.47	7,849.26	7,673.61	21.59	25.34	-85.93	-1,948.11	-714.55	2,055.95	2,014.18	41.76	49.227		

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

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
7,100.00	7,059.61	7,911.15	7,715.84	21.99	25.88	-84.85	-1,929.44	-755.71	2,018.93	1,976.06	42.86	47.102		
7,200.00	7,158.75	7,927.00	7,726.00	22.38	26.02	-84.55	-1,924.95	-767.02	1,984.61	1,940.93	43.69	45.428		
7,300.00	7,257.89	7,970.75	7,752.78	22.78	26.41	-83.65	-1,913.79	-799.75	1,953.35	1,908.60	44.76	43.645		
7,400.00	7,357.03	8,021.00	7,781.28	23.18	26.88	-82.53	-1,903.73	-839.87	1,926.71	1,880.81	45.89	41.981		
7,495.63	7,451.84	8,021.00	7,781.28	23.57	26.88	-82.53	-1,903.73	-839.87	1,904.00	1,857.52	46.47	40.969		
7,500.00	7,456.17	8,021.00	7,781.28	23.58	26.88	-82.85	-1,903.73	-839.87	1,903.07	1,856.57	46.50	40.927		
7,550.00	7,505.33	8,021.00	7,781.28	23.81	26.88	-85.38	-1,903.73	-839.87	1,892.99	1,846.20	46.79	40.459		
7,600.00	7,553.51	8,021.00	7,781.28	24.06	26.88	-86.95	-1,903.73	-839.87	1,884.02	1,836.94	47.08	40.015		
7,650.00	7,600.34	8,021.00	7,781.28	24.36	26.88	-88.10	-1,903.73	-839.87	1,876.25	1,828.86	47.38	39.598		
7,700.00	7,645.48	8,021.00	7,781.28	24.70	26.88	-88.99	-1,903.73	-839.87	1,869.73	1,822.04	47.69	39.206		
7,750.00	7,688.57	8,062.58	7,803.17	25.07	27.23	-89.14	-1,898.25	-874.78	1,862.50	1,813.94	48.56	38.355		
7,800.00	7,729.30	8,072.85	7,808.38	25.49	27.32	-89.62	-1,897.40	-883.59	1,857.55	1,808.51	49.04	37.881		
7,850.00	7,767.34	8,116.00	7,829.30	25.94	27.72	-89.67	-1,895.97	-921.28	1,854.98	1,804.99	49.99	37.110		
7,900.00	7,802.41	8,116.00	7,829.30	26.45	27.72	-90.08	-1,895.97	-921.28	1,851.56	1,801.19	50.37	36.760		
7,950.00	7,834.25	8,116.00	7,829.30	27.00	27.72	-90.33	-1,895.97	-921.28	1,849.54	1,798.77	50.78	36.425		
7,995.45	7,860.17	8,116.00	7,829.30	27.54	27.72	-90.42	-1,895.97	-921.28	1,848.95	1,797.78	51.18	36.129		
8,000.00	7,862.60	8,116.00	7,829.30	27.59	27.72	-90.43	-1,895.97	-921.28	1,848.96	1,797.74	51.22	36.101		
8,050.00	7,887.26	8,142.28	7,841.12	28.24	27.94	-90.37	-1,896.35	-944.74	1,849.44	1,797.33	52.11	35.493		
8,100.00	7,908.04	8,167.64	7,851.70	28.94	28.17	-90.27	-1,897.07	-967.78	1,850.66	1,797.63	53.02	34.902		
8,150.00	7,924.78	8,211.00	7,867.85	29.68	28.57	-90.17	-1,899.10	-1,007.97	1,852.78	1,798.51	54.27	34.139		
8,200.00	7,937.35	8,227.34	7,873.31	30.46	28.73	-90.00	-1,900.05	-1,023.34	1,855.24	1,800.09	55.15	33.642		
8,250.00	7,945.65	8,284.63	7,890.00	31.28	29.33	-89.96	-1,903.22	-1,078.04	1,857.95	1,801.15	56.80	32.710		
8,300.00	7,949.63	8,348.61	7,903.55	32.12	30.09	-89.98	-1,906.45	-1,140.45	1,860.46	1,801.78	58.68	31.703		
8,320.64	7,950.00	8,376.75	7,907.35	32.47	30.44	-89.99	-1,907.71	-1,168.30	1,861.38	1,801.86	59.52	31.275		
8,400.00	7,950.00	8,446.13	7,911.95	33.88	31.39	-90.13	-1,910.68	-1,237.45	1,864.80	1,802.77	62.04	30.060		
8,500.00	7,950.00	8,510.98	7,912.85	35.75	32.33	-90.16	-1,914.25	-1,302.19	1,870.39	1,805.54	64.86	28.839		
8,600.00	7,950.00	8,569.57	7,912.62	37.73	33.23	-90.15	-1,918.93	-1,360.60	1,878.28	1,810.62	67.66	27.759		
8,700.00	7,950.00	8,645.56	7,912.23	39.79	34.45	-90.14	-1,926.38	-1,436.21	1,888.00	1,817.02	70.98	26.597		
8,800.00	7,950.00	8,800.00	7,911.67	41.92	37.18	-90.12	-1,939.16	-1,584.93	1,896.42	1,819.92	76.50	24.791		
8,900.00	7,950.00	9,046.39	7,911.14	44.11	42.21	-90.11	-1,946.31	-1,836.33	1,898.21	1,813.34	84.87	22.367		
9,000.00	7,950.00	9,185.41	7,910.92	46.36	45.29	-90.10	-1,943.37	-1,975.31	1,895.84	1,805.37	90.47	20.955		
9,100.00	7,950.00	9,253.82	7,910.96	48.65	46.84	-90.10	-1,942.15	-2,043.71	1,894.07	1,799.82	94.25	20.096		
9,200.00	7,950.00	9,340.27	7,911.03	50.98	48.83	-90.10	-1,941.99	-2,130.16	1,893.83	1,795.25	98.58	19.212		
9,300.00	7,950.00	9,460.26	7,910.28	53.34	51.64	-90.08	-1,941.31	-2,250.14	1,893.27	1,789.35	103.92	18.219		
9,400.00	7,950.00	9,577.15	7,908.68	55.74	54.43	-90.03	-1,939.36	-2,367.00	1,891.58	1,782.35	109.23	17.317		
9,500.00	7,950.00	9,698.60	7,907.12	58.16	57.38	-89.99	-1,936.06	-2,488.40	1,888.83	1,774.10	114.73	16.463		
9,600.00	7,950.00	9,817.47	7,905.90	60.60	60.31	-89.95	-1,931.72	-2,607.19	1,885.19	1,764.99	120.20	15.684		
9,700.00	7,950.00	9,923.97	7,904.70	63.06	62.96	-89.91	-1,926.87	-2,713.57	1,880.61	1,755.25	125.35	15.002		
9,800.00	7,950.00	10,016.59	7,903.78	65.54	65.28	-89.88	-1,922.77	-2,806.09	1,876.17	1,746.01	130.16	14.414		
9,900.00	7,950.00	10,098.89	7,903.06	68.04	67.36	-89.86	-1,919.63	-2,888.32	1,872.36	1,737.66	134.70	13.901		
10,000.00	7,950.00	10,187.04	7,902.37	70.55	69.58	-89.84	-1,917.17	-2,976.44	1,869.53	1,730.12	139.42	13.410		
10,100.00	7,950.00	10,274.30	7,901.46	73.08	71.79	-89.81	-1,915.05	-3,063.67	1,867.11	1,722.99	144.13	12.955		
10,200.00	7,950.00	10,351.77	7,900.74	75.61	73.75	-89.79	-1,913.99	-3,141.13	1,865.74	1,717.19	148.55	12.560		
10,256.89	7,950.00	10,394.67	7,900.32	77.06	74.84	-89.78	-1,913.83	-3,184.03	1,865.53	1,714.50	151.03	12.352		
10,300.00	7,950.00	10,428.94	7,899.94	78.16	75.71	-89.76	-1,913.93	-3,218.29	1,865.65	1,712.69	152.96	12.197		
10,400.00	7,950.00	10,532.35	7,899.05	80.71	78.22	-89.74	-1,914.50	-3,321.70	1,866.19	1,708.13	158.06	11.807		
10,500.00	7,950.00	10,773.61	7,918.03	83.28	81.31	-90.32	-1,905.64	-3,561.80	1,862.17	1,698.09	164.08	11.349		
10,600.00	7,950.00	10,908.72	7,932.85	85.85	82.78	-90.78	-1,895.31	-3,695.68	1,854.76	1,686.68	168.08	11.035		
10,700.00	7,950.00	11,073.80	7,937.42	88.43	84.77	-90.94	-1,875.04	-3,859.36	1,841.57	1,669.15	172.42	10.681		
10,800.00	7,950.00	11,134.00	7,937.37	91.01	85.54	-90.94	-1,868.73	-3,919.23	1,830.65	1,654.75	175.91	10.407		
10,900.00	7,950.00	11,134.00	7,937.37	93.60	85.54	-90.94	-1,868.73	-3,919.23	1,822.88	1,644.31	178.56	10.209		
11,000.00	7,950.00	11,195.28	7,937.44	96.20	86.35	-90.94	-1,865.27	-3,980.40	1,817.86	1,635.99	181.87	9.995		

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

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
11,086.13	7,950.00	11,228.00	7,937.49	98.44	86.79	-90.94	-1,864.80	-4,013.12	1,816.60	1,632.32	184.28	9.858	CC	
11,100.00	7,950.00	11,228.00	7,937.49	98.80	86.79	-90.94	-1,864.80	-4,013.12	1,816.66	1,632.11	184.55	9.844		
11,200.00	7,950.00	11,285.88	7,937.55	101.41	87.58	-90.94	-1,865.69	-4,070.98	1,818.36	1,630.75	187.61	9.692		
11,300.00	7,950.00	11,323.00	7,937.56	104.02	88.09	-90.94	-1,867.21	-4,108.08	1,822.90	1,632.86	190.04	9.592		
11,400.00	7,950.00	11,388.61	7,937.56	106.63	89.01	-90.94	-1,871.64	-4,173.53	1,829.89	1,636.77	193.12	9.475		
11,500.00	7,950.00	11,439.01	7,937.57	109.25	89.72	-90.94	-1,876.54	-4,223.70	1,839.60	1,643.92	195.68	9.401		
11,600.00	7,950.00	11,487.69	7,937.63	111.88	90.42	-90.94	-1,882.59	-4,272.00	1,852.02	1,653.97	198.05	9.351		
11,700.00	7,950.00	11,554.07	7,937.80	114.50	91.38	-90.94	-1,892.56	-4,337.62	1,866.91	1,665.95	200.96	9.290		
11,800.00	7,950.00	11,646.32	7,938.09	117.13	92.75	-90.94	-1,907.16	-4,428.71	1,882.71	1,677.89	204.83	9.192		
11,900.00	7,950.00	11,845.43	7,938.43	119.76	95.85	-90.94	-1,934.38	-4,625.92	1,896.81	1,684.21	212.60	8.922		
12,000.00	7,950.00	11,991.13	7,938.51	122.39	98.27	-90.93	-1,947.92	-4,770.98	1,906.04	1,687.62	218.42	8.727		
12,100.00	7,950.00	12,100.00	7,939.16	125.03	100.04	-90.95	-1,957.36	-5,095.15	1,910.24	1,685.59	224.65	8.503		
12,200.00	7,950.00	12,507.54	7,939.71	127.67	107.70	-90.97	-1,943.22	-5,286.46	1,901.56	1,666.72	234.84	8.097		
12,300.00	7,950.00	12,552.00	7,939.63	130.31	108.57	-90.97	-1,939.83	-5,330.79	1,894.31	1,655.83	238.48	7.943		
12,400.00	7,950.00	12,614.45	7,939.46	132.95	109.79	-90.97	-1,936.59	-5,393.15	1,889.38	1,647.04	242.34	7.796		
12,500.00	7,950.00	12,668.43	7,939.37	135.60	110.85	-90.96	-1,935.46	-5,447.12	1,887.19	1,641.26	245.93	7.674		
12,554.72	7,950.00	12,703.17	7,939.33	137.04	111.54	-90.96	-1,935.28	-5,481.86	1,886.90	1,638.93	247.97	7.609		
12,600.00	7,950.00	12,741.00	7,939.30	138.24	112.29	-90.96	-1,935.51	-5,519.69	1,887.13	1,637.25	249.88	7.552		
12,700.00	7,950.00	12,807.51	7,939.34	140.89	113.62	-90.96	-1,936.62	-5,586.18	1,888.66	1,635.04	253.63	7.447		
12,800.00	7,950.00	12,885.96	7,939.50	143.54	115.20	-90.97	-1,938.78	-5,664.60	1,891.41	1,633.73	257.68	7.340		
12,900.00	7,950.00	13,005.34	7,939.53	146.19	117.63	-90.97	-1,942.73	-5,783.92	1,894.80	1,631.84	262.96	7.206		
13,000.00	7,950.00	13,103.24	7,939.23	148.84	119.66	-90.96	-1,944.82	-5,881.79	1,896.92	1,629.27	267.64	7.088		
13,100.00	7,950.00	13,211.81	7,938.76	151.50	121.93	-90.94	-1,947.29	-5,990.34	1,899.17	1,626.52	272.66	6.965		
13,200.00	7,950.00	13,533.73	7,938.91	154.15	128.86	-90.95	-1,938.13	-6,311.79	1,898.62	1,616.40	282.22	6.727		
13,300.00	7,950.00	13,624.25	7,938.82	156.81	130.86	-90.95	-1,928.99	-6,401.85	1,888.56	1,601.63	286.94	6.582		
13,400.00	7,950.00	13,686.00	7,938.05	159.47	132.23	-90.93	-1,924.14	-6,463.40	1,880.54	1,589.33	291.21	6.458		
13,500.00	7,950.00	13,724.98	7,937.20	162.13	133.09	-90.91	-1,922.11	-6,502.32	1,875.05	1,580.15	294.90	6.358		
13,600.00	7,950.00	13,781.00	7,935.50	164.79	134.34	-90.85	-1,920.91	-6,558.29	1,872.57	1,573.81	298.76	6.268		
13,631.19	7,950.00	13,781.00	7,935.50	165.62	134.34	-90.85	-1,920.91	-6,558.29	1,872.31	1,572.86	299.45	6.252		
13,700.00	7,950.00	13,812.14	7,934.47	167.45	135.03	-90.82	-1,921.18	-6,589.42	1,872.94	1,571.23	301.71	6.208		
13,800.00	7,950.00	13,875.00	7,932.83	170.11	136.43	-90.77	-1,924.01	-6,652.18	1,876.86	1,571.46	305.39	6.146		
13,900.00	7,950.00	13,900.71	7,932.35	172.77	136.99	-90.76	-1,925.92	-6,677.81	1,883.19	1,575.67	307.52	6.124		
14,000.00	7,950.00	13,969.00	7,931.89	175.44	138.50	-90.74	-1,932.30	-6,745.80	1,892.34	1,581.24	311.10	6.083		
14,100.00	7,950.00	14,120.89	7,932.01	178.10	141.89	-90.74	-1,943.87	-6,897.23	1,899.62	1,581.45	318.17	5.971		
14,200.00	7,950.00	14,204.45	7,932.04	180.77	143.78	-90.74	-1,950.04	-6,980.57	1,906.97	1,584.51	322.46	5.914		
14,300.00	7,950.00	14,333.07	7,932.48	183.43	146.69	-90.75	-1,959.51	-7,108.83	1,914.44	1,585.90	328.55	5.827		
14,400.00	7,950.00	14,476.41	7,933.60	186.10	149.99	-90.78	-1,966.13	-7,252.02	1,918.87	1,583.75	335.12	5.726		
14,500.00	7,950.00	14,828.96	7,936.42	188.77	158.27	-90.87	-1,954.92	-7,603.95	1,914.36	1,568.25	346.12	5.531		
14,600.00	7,950.00	14,902.96	7,936.94	191.43	160.03	-90.88	-1,948.71	-7,677.68	1,905.92	1,555.13	350.80	5.433		
14,700.00	7,950.00	14,976.72	7,937.49	194.10	161.80	-90.90	-1,943.37	-7,751.25	1,898.69	1,543.26	355.43	5.342		
14,800.00	7,950.00	15,056.11	7,938.09	196.77	163.70	-90.92	-1,938.68	-7,830.50	1,892.76	1,532.64	360.12	5.256		
14,900.00	7,950.00	15,135.99	7,938.73	199.44	165.62	-90.95	-1,934.68	-7,910.28	1,887.77	1,522.98	364.78	5.175		
15,000.00	7,950.00	15,214.77	7,939.36	202.11	167.52	-90.97	-1,931.74	-7,989.00	1,884.01	1,514.62	369.39	5.100		
15,100.00	7,950.00	15,304.68	7,940.08	204.78	169.69	-90.99	-1,928.91	-8,078.87	1,880.88	1,506.65	374.24	5.026		
15,200.00	7,950.00	15,373.93	7,940.70	207.45	171.36	-91.01	-1,927.58	-8,148.10	1,878.95	1,500.41	378.54	4.964		
15,300.00	7,950.00	15,493.08	7,942.00	210.13	174.25	-91.05	-1,925.67	-8,267.22	1,877.36	1,493.23	384.14	4.887		
15,400.00	7,950.00	15,574.26	7,942.83	212.80	176.23	-91.08	-1,924.34	-8,348.39	1,875.73	1,486.98	388.75	4.825		
15,500.00	7,950.00	15,664.48	7,943.65	215.47	178.43	-91.10	-1,923.56	-8,438.60	1,874.86	1,481.27	393.59	4.764		
15,540.30	7,950.00	15,693.33	7,943.92	216.55	179.13	-91.11	-1,923.46	-8,467.44	1,874.73	1,479.41	395.32	4.742		
15,600.00	7,950.00	15,734.86	7,944.31	218.15	180.14	-91.12	-1,923.66	-8,508.98	1,875.02	1,477.21	397.81	4.713		
15,700.00	7,950.00	15,795.00	7,944.86	220.82	181.61	-91.14	-1,924.54	-8,569.11	1,876.71	1,475.13	401.58	4.673	ES, SF	
15,800.00	7,950.00	15,795.00	7,944.86	223.49	181.61	-91.14	-1,924.54	-8,569.11	1,882.46	1,479.94	402.52	4.677		

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

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
15,900.00	7,950.00	15,795.00	7,944.86	226.17	181.61	-91.14	-1,924.54	-8,569.11	1,893.48	1,491.12	402.36	4.706		
16,000.00	7,950.00	15,795.00	7,944.86	228.84	181.61	-91.14	-1,924.54	-8,569.11	1,909.68	1,508.54	401.14	4.761		
16,100.00	7,950.00	15,795.00	7,944.86	231.52	181.61	-91.14	-1,924.54	-8,569.11	1,930.93	1,532.01	398.91	4.840		
16,200.00	7,950.00	15,795.00	7,944.86	234.20	181.61	-91.14	-1,924.54	-8,569.11	1,957.06	1,561.29	395.77	4.945		
16,300.00	7,950.00	15,795.00	7,944.86	236.87	181.61	-91.14	-1,924.54	-8,569.11	1,987.89	1,596.08	391.81	5.074		
16,400.00	7,950.00	15,795.00	7,944.86	239.55	181.61	-91.14	-1,924.54	-8,569.11	2,023.19	1,636.05	387.14	5.226		
16,500.00	7,950.00	15,795.00	7,944.86	242.22	181.61	-91.14	-1,924.54	-8,569.11	2,062.74	1,680.88	381.86	5.402		
16,600.00	7,950.00	15,795.00	7,944.86	244.90	181.61	-91.14	-1,924.54	-8,569.11	2,106.30	1,730.22	376.08	5.601		
16,700.00	7,950.00	15,795.00	7,944.86	247.58	181.61	-91.14	-1,924.54	-8,569.11	2,153.63	1,783.71	369.92	5.822		
16,800.00	7,950.00	15,795.00	7,944.86	250.26	181.61	-91.14	-1,924.54	-8,569.11	2,204.48	1,841.02	363.46	6.065		
16,900.00	7,950.00	15,795.00	7,944.86	252.94	181.61	-91.14	-1,924.54	-8,569.11	2,258.61	1,901.82	356.79	6.330		
17,000.00	7,950.00	15,795.00	7,944.86	255.61	181.61	-91.14	-1,924.54	-8,569.11	2,315.80	1,965.80	350.00	6.617		
17,100.00	7,950.00	15,795.00	7,944.86	258.29	181.61	-91.14	-1,924.54	-8,569.11	2,375.83	2,032.68	343.14	6.924		
17,200.00	7,950.00	15,795.00	7,944.86	260.97	181.61	-91.14	-1,924.54	-8,569.11	2,438.47	2,102.19	336.28	7.251		
17,300.00	7,950.00	15,795.00	7,944.86	263.65	181.61	-91.14	-1,924.54	-8,569.11	2,503.55	2,174.09	329.46	7.599		
17,400.00	7,950.00	15,795.00	7,944.86	266.33	181.61	-91.14	-1,924.54	-8,569.11	2,570.87	2,248.14	322.73	7.966		
17,500.00	7,950.00	15,795.00	7,944.86	269.01	181.61	-91.14	-1,924.54	-8,569.11	2,640.26	2,324.15	316.11	8.352		
17,600.00	7,950.00	15,795.00	7,944.86	271.69	181.61	-91.14	-1,924.54	-8,569.11	2,711.57	2,401.94	309.63	8.758		
17,700.00	7,950.00	15,795.00	7,944.86	274.37	181.61	-91.14	-1,924.54	-8,569.11	2,784.64	2,481.33	303.30	9.181		
17,800.00	7,950.00	15,795.00	7,944.86	277.05	181.61	-91.14	-1,924.54	-8,569.11	2,859.34	2,562.19	297.15	9.623		
17,900.00	7,950.00	15,795.00	7,944.86	279.73	181.61	-91.14	-1,924.54	-8,569.11	2,935.54	2,644.36	291.18	10.082		
18,000.00	7,950.00	15,795.00	7,944.86	282.41	181.61	-91.14	-1,924.54	-8,569.11	3,013.14	2,727.75	285.39	10.558		
18,100.00	7,950.00	15,795.00	7,944.86	285.09	181.61	-91.14	-1,924.54	-8,569.11	3,092.03	2,812.23	279.80	11.051		
18,200.00	7,950.00	15,795.00	7,944.86	287.77	181.61	-91.14	-1,924.54	-8,569.11	3,172.10	2,897.71	274.39	11.560		
18,300.00	7,950.00	15,795.00	7,944.86	290.45	181.61	-91.14	-1,924.54	-8,569.11	3,253.28	2,984.10	269.18	12.086		
18,400.00	7,950.00	15,795.00	7,944.86	293.14	181.61	-91.14	-1,924.54	-8,569.11	3,335.48	3,071.33	264.15	12.627		
18,500.00	7,950.00	15,795.00	7,944.86	295.82	181.61	-91.14	-1,924.54	-8,569.11	3,418.63	3,159.32	259.31	13.184		
18,600.00	7,950.00	15,795.00	7,944.86	298.50	181.61	-91.14	-1,924.54	-8,569.11	3,502.66	3,248.01	254.65	13.755		
18,700.00	7,950.00	15,795.00	7,944.86	301.18	181.61	-91.14	-1,924.54	-8,569.11	3,587.52	3,337.35	250.16	14.341		
18,800.00	7,950.00	15,795.00	7,944.86	303.86	181.61	-91.14	-1,924.54	-8,569.11	3,673.13	3,427.28	245.85	14.941		
18,900.00	7,950.00	15,795.00	7,944.86	306.55	181.61	-91.14	-1,924.54	-8,569.11	3,759.45	3,517.76	241.69	15.555		
19,000.00	7,950.00	15,795.00	7,944.86	309.23	181.61	-91.14	-1,924.54	-8,569.11	3,846.44	3,608.74	237.70	16.182		
19,100.00	7,950.00	15,795.00	7,944.86	311.91	181.61	-91.14	-1,924.54	-8,569.11	3,934.04	3,700.18	233.86	16.822		
19,200.00	7,950.00	15,795.00	7,944.86	314.59	181.61	-91.14	-1,924.54	-8,569.11	4,022.23	3,792.06	230.16	17.475		
19,300.00	7,950.00	15,795.00	7,944.86	317.28	181.61	-91.14	-1,924.54	-8,569.11	4,110.95	3,884.34	226.61	18.141		
19,400.00	7,950.00	15,795.00	7,944.86	319.96	181.61	-91.14	-1,924.54	-8,569.11	4,200.18	3,976.99	223.19	18.819		
19,500.00	7,950.00	15,795.00	7,944.86	322.64	181.61	-91.14	-1,924.54	-8,569.11	4,289.89	4,069.98	219.90	19.508		
19,600.00	7,950.00	15,795.00	7,944.86	325.33	181.61	-91.14	-1,924.54	-8,569.11	4,380.04	4,163.30	216.74	20.209		
19,700.00	7,950.00	15,795.00	7,944.86	328.01	181.61	-91.14	-1,924.54	-8,569.11	4,470.61	4,256.92	213.69	20.921		
19,800.00	7,950.00	15,795.00	7,944.86	330.69	181.61	-91.14	-1,924.54	-8,569.11	4,561.57	4,350.81	210.76	21.644		
19,900.00	7,950.00	15,795.00	7,944.86	333.38	181.61	-91.14	-1,924.54	-8,569.11	4,652.91	4,444.97	207.93	22.377		
20,000.00	7,950.00	15,795.00	7,944.86	336.06	181.61	-91.14	-1,924.54	-8,569.11	4,744.59	4,539.38	205.21	23.120		
20,100.00	7,950.00	15,795.00	7,944.86	338.74	181.61	-91.14	-1,924.54	-8,569.11	4,836.61	4,634.01	202.59	23.873		
20,200.00	7,950.00	15,795.00	7,944.86	341.43	181.61	-91.14	-1,924.54	-8,569.11	4,928.93	4,728.86	200.07	24.636		
20,300.00	7,950.00	15,795.00	7,944.86	344.11	181.61	-91.14	-1,924.54	-8,569.11	5,021.55	4,823.92	197.64	25.408		
20,400.00	7,950.00	15,795.00	7,944.86	346.80	181.61	-91.14	-1,924.54	-8,569.11	5,114.45	4,919.16	195.29	26.189		
20,500.00	7,950.00	15,795.00	7,944.86	349.48	181.61	-91.14	-1,924.54	-8,569.11	5,207.61	5,014.58	193.02	26.979		
20,600.00	7,950.00	15,795.00	7,944.86	352.17	181.61	-91.14	-1,924.54	-8,569.11	5,301.02	5,110.18	190.84	27.777		
20,700.00	7,950.00	15,795.00	7,944.86	354.85	181.61	-91.14	-1,924.54	-8,569.11	5,394.66	5,205.93	188.73	28.583		
20,800.00	7,950.00	15,795.00	7,944.86	357.54	181.61	-91.14	-1,924.54	-8,569.11	5,488.53	5,301.84	186.70	29.398		
20,900.00	7,950.00	15,795.00	7,944.86	360.22	181.61	-91.14	-1,924.54	-8,569.11	5,582.62	5,397.88	184.74	30.219		
21,000.00	7,950.00	15,795.00	7,944.86	362.91	181.61	-91.14	-1,924.54	-8,569.11	5,676.90	5,494.06	182.84	31.049		

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

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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						
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	7,950.00	15,795.00	7,944.86	365.59	181.61	-91.14	-1,924.54	-8,569.11	5,771.38	5,590.37	181.01	31.885	
21,200.00	7,950.00	15,795.00	7,944.86	368.28	181.61	-91.14	-1,924.54	-8,569.11	5,866.04	5,686.81	179.23	32.728	
21,300.00	7,950.00	15,795.00	7,944.86	370.96	181.61	-91.14	-1,924.54	-8,569.11	5,960.88	5,783.35	177.52	33.578	
21,400.00	7,950.00	15,795.00	7,944.86	373.65	181.61	-91.14	-1,924.54	-8,569.11	6,055.88	5,880.01	175.87	34.434	
21,500.00	7,950.00	15,795.00	7,944.86	376.33	181.61	-91.14	-1,924.54	-8,569.11	6,151.04	5,976.77	174.27	35.297	
21,600.00	7,950.00	15,795.00	7,944.86	379.02	181.61	-91.14	-1,924.54	-8,569.11	6,246.35	6,073.63	172.72	36.165	
21,700.00	7,950.00	15,795.00	7,944.86	381.70	181.61	-91.14	-1,924.54	-8,569.11	6,341.80	6,170.59	171.22	37.039	
21,800.00	7,950.00	15,795.00	7,944.86	384.39	181.61	-91.14	-1,924.54	-8,569.11	6,437.40	6,267.63	169.77	37.919	
21,900.00	7,950.00	15,795.00	7,944.86	387.07	181.61	-91.14	-1,924.54	-8,569.11	6,533.12	6,364.76	168.36	38.804	
22,000.00	7,950.00	15,795.00	7,944.86	389.76	181.61	-91.14	-1,924.54	-8,569.11	6,628.97	6,461.97	167.00	39.694	
22,100.00	7,950.00	15,795.00	7,944.86	392.44	181.61	-91.14	-1,924.54	-8,569.11	6,724.95	6,559.26	165.69	40.588	
22,200.00	7,950.00	15,795.00	7,944.86	395.13	181.61	-91.14	-1,924.54	-8,569.11	6,821.03	6,656.62	164.41	41.488	
22,300.00	7,950.00	15,795.00	7,944.86	397.82	181.61	-91.14	-1,924.54	-8,569.11	6,917.23	6,754.06	163.17	42.392	
22,400.00	7,950.00	15,795.00	7,944.86	400.50	181.61	-91.14	-1,924.54	-8,569.11	7,013.54	6,851.56	161.97	43.300	
22,500.00	7,950.00	15,795.00	7,944.86	403.19	181.61	-91.14	-1,924.54	-8,569.11	7,109.95	6,949.13	160.81	44.213	
22,600.00	7,950.00	15,795.00	7,944.86	405.88	181.61	-91.14	-1,924.54	-8,569.11	7,206.45	7,046.77	159.68	45.129	
22,700.00	7,950.00	15,795.00	7,944.86	408.56	181.61	-91.14	-1,924.54	-8,569.11	7,303.05	7,144.46	158.59	46.049	
22,800.00	7,950.00	15,795.00	7,944.86	411.25	181.61	-91.14	-1,924.54	-8,569.11	7,399.74	7,242.21	157.53	46.973	
22,900.00	7,950.00	15,795.00	7,944.86	413.93	181.61	-91.14	-1,924.54	-8,569.11	7,496.52	7,340.01	156.50	47.900	
23,000.00	7,950.00	15,795.00	7,944.86	416.62	181.61	-91.14	-1,924.54	-8,569.11	7,593.38	7,437.87	155.50	48.831	
23,100.00	7,950.00	15,795.00	7,944.86	419.31	181.61	-91.14	-1,924.54	-8,569.11	7,690.32	7,535.78	154.53	49.765	
23,200.00	7,950.00	15,795.00	7,944.86	421.99	181.61	-91.14	-1,924.54	-8,569.11	7,787.34	7,633.74	153.59	50.701	
23,306.83	7,950.00	15,795.00	7,944.86	424.86	181.61	-91.14	-1,924.54	-8,569.11	7,891.06	7,738.44	152.62	51.705	



# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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
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	
0.00	0.00	4.16	4.16	0.00	0.00	141.80	-39.34	30.96	50.06					
29.48	29.48	33.28	33.28	0.01	0.03	-20.33	-39.51	31.00	50.20	50.15	0.04	1,134.110		
60.08	60.08	64.23	64.23	0.12	0.13	-69.21	-39.62	31.09	50.25	50.00	0.25	199.543		
90.68	90.68	94.86	94.86	0.23	0.24	-76.20	-39.63	31.12	50.19	49.72	0.47	107.186		
103.14	103.13	107.25	107.25	0.27	0.28	-75.92	-39.66	31.11	50.18	49.62	0.56	90.167		
121.28	121.28	125.32	125.32	0.34	0.35	-75.39	-39.75	31.09	50.20	49.51	0.69	73.253		
151.88	151.88	155.86	155.86	0.45	0.46	-49.91	-40.02	30.95	50.22	49.32	0.90	55.588		
182.48	182.47	186.37	186.36	0.56	0.57	-84.91	-40.36	30.81	50.32	49.20	1.12	44.849		
213.08	213.07	217.05	217.04	0.67	0.67	-86.25	-40.75	30.60	50.47	49.13	1.34	37.623		
243.68	243.67	247.80	247.78	0.78	0.78	-85.20	-41.13	30.28	50.53	48.97	1.56	32.370		
286.38	286.36	290.44	290.42	0.93	0.94	-99.89	-41.66	29.82	50.70	48.83	1.87	27.158		
329.08	329.05	333.28	333.26	1.08	1.09	-107.18	-42.22	29.25	51.02	48.85	2.17	23.476		
371.78	371.73	376.40	376.36	1.24	1.25	-112.71	-42.81	28.26	51.29	48.81	2.48	20.672		
414.48	414.41	418.99	418.92	1.39	1.40	-124.88	-43.49	26.99	51.72	48.93	2.79	18.554		
457.18	457.07	461.61	461.52	1.54	1.55	-136.04	-44.28	25.67	52.60	49.50	3.09	16.999		
499.88	499.73	504.20	504.07	1.70	1.71	-136.62	-45.20	24.28	53.89	50.49	3.40	15.841		
542.58	542.37	546.85	546.68	1.85	1.86	-135.75	-46.29	22.76	55.45	51.74	3.71	14.945		
585.28	584.99	589.09	588.88	2.00	2.02	-137.70	-47.57	21.31	57.44	53.42	4.02	14.289		
627.98	627.61	632.29	632.03	2.16	2.17	-135.55	-48.88	19.69	59.40	55.06	4.33	13.713		
670.68	670.24	674.86	674.54	2.31	2.33	-128.06	-50.20	17.85	60.95	56.31	4.64	13.130		
713.38	712.89	717.82	717.44	2.47	2.49	-126.62	-51.46	15.91	62.04	57.08	4.95	12.521		
756.08	755.57	760.64	760.22	2.62	2.64	-131.43	-52.28	14.40	62.71	57.45	5.26	11.914		
798.78	798.26	803.84	803.41	2.78	2.80	-137.20	-52.48	13.25	62.89	57.32	5.57	11.288		
823.09	822.57	827.88	827.44	2.86	2.88	-147.51	-52.51	12.69	62.87	57.13	5.74	10.947		
841.48	840.95	846.07	845.63	2.93	2.95	-164.86	-52.59	12.30	62.88	57.01	5.87	10.707		
884.18	883.65	888.46	888.01	3.08	3.10	-153.80	-52.92	11.50	62.97	56.80	6.18	10.198		
926.88	926.35	931.34	930.87	3.23	3.25	-145.65	-53.31	10.65	63.01	56.53	6.48	9.723		
969.58	969.05	974.22	973.75	3.38	3.41	-105.24	-53.55	9.80	62.86	56.08	6.79	9.263		
992.90	992.37	997.41	996.93	3.46	3.49	-143.28	-53.58	9.49	62.80	55.85	6.95	9.035		
1,012.28	1,011.75	1,016.73	1,016.25	3.53	3.56	-162.28	-53.56	9.37	62.84	55.76	7.09	8.867		
1,054.98	1,054.45	1,059.45	1,058.97	3.68	3.70	-136.91	-53.29	9.41	62.97	55.59	7.38	8.530		
1,097.68	1,097.15	1,101.78	1,101.29	3.84	3.84	-84.77	-52.98	9.80	63.05	55.38	7.67	8.219		
1,140.38	1,139.85	1,144.81	1,144.33	3.99	3.98	-127.40	-52.68	10.17	63.07	55.11	7.96	7.919		
1,183.08	1,182.55	1,188.56	1,188.07	4.14	4.13	-132.20	-52.19	9.89	62.72	54.45	8.26	7.589		
1,225.78	1,225.24	1,231.75	1,231.25	4.29	4.28	-124.77	-51.51	8.93	61.84	53.27	8.57	7.218		
1,268.48	1,267.94	1,274.34	1,273.81	4.44	4.43	105.10	-50.96	7.69	60.83	51.97	8.87	6.862		
1,311.18	1,310.64	1,317.71	1,317.15	4.58	4.58	121.95	-50.27	6.13	59.61	50.45	9.16	6.508		
1,353.88	1,353.34	1,360.71	1,360.10	4.72	4.74	111.63	-49.42	4.16	58.09	48.64	9.45	6.145		
1,396.58	1,396.03	1,403.72	1,403.02	4.87	4.89	131.54	-48.54	1.70	56.49	46.74	9.75	5.794		
1,439.28	1,438.72	1,446.85	1,446.04	5.01	5.05	112.08	-47.60	-1.36	54.69	44.64	10.05	5.443		
1,481.98	1,481.42	1,490.41	1,489.39	5.15	5.21	130.61	-46.22	-5.28	52.24	41.90	10.34	5.051		
1,524.68	1,524.11	1,533.27	1,532.00	5.30	5.37	125.01	-44.41	-9.55	49.47	38.83	10.64	4.649		
1,567.38	1,566.81	1,575.83	1,574.29	5.44	5.52	145.88	-42.44	-13.97	46.84	35.89	10.95	4.279		
1,610.08	1,609.51	1,618.41	1,616.55	5.59	5.68	129.56	-40.34	-18.75	44.37	33.11	11.25	3.943		
1,652.78	1,652.20	1,660.69	1,658.44	5.73	5.84	105.74	-38.28	-24.06	42.26	30.70	11.56	3.656		
1,695.48	1,694.90	1,703.24	1,700.47	5.88	6.00	120.82	-35.87	-30.24	40.65	28.78	11.87	3.425		
1,735.62	1,735.04	1,742.83	1,739.51	6.01	6.16	129.46	-33.39	-36.32	40.06	27.90	12.16	3.296 CC		
1,738.18	1,737.60	1,745.30	1,741.95	6.02	6.17	129.99	-33.24	-36.70	40.06	27.89	12.17	3.291 ES		
1,780.88	1,780.30	1,787.10	1,783.15	6.17	6.33	113.49	-30.72	-43.32	40.92	28.45	12.47	3.282 SF		
1,823.58	1,823.00	1,829.12	1,824.51	6.31	6.50	128.43	-28.06	-50.21	43.12	30.37	12.75	3.382		
1,866.28	1,865.69	1,870.26	1,864.86	6.46	6.67	138.73	-25.25	-57.67	47.05	34.04	13.01	3.617		
1,908.98	1,908.39	1,911.57	1,905.28	6.60	6.85	156.24	-22.42	-65.76	52.79	39.53	13.26	3.981		

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



# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
1,951.68	1,951.09	1,953.18	1,945.99	6.75	7.02	155.62	-19.83	-73.97	59.60	46.07	13.53	4.406		
1,994.38	1,993.78	1,994.49	1,986.38	6.89	7.20	166.08	-17.23	-82.25	67.17	53.38	13.79	4.870		
2,037.08	2,036.48	2,036.60	2,027.53	7.04	7.38	166.49	-14.44	-90.70	75.26	61.18	14.08	5.344		
2,079.78	2,079.17	2,078.96	2,069.02	7.19	7.57	153.24	-11.77	-98.83	83.28	68.90	14.38	5.790		
2,122.48	2,121.87	2,121.72	2,110.99	7.33	7.76	178.38	-9.29	-106.59	91.12	76.42	14.69	6.201		
2,177.48	2,176.86	2,175.61	2,163.97	7.43	7.99	-179.15	-6.42	-116.06	101.24	86.26	14.98	6.757		
2,200.00	2,199.38	2,198.06	2,186.05	7.43	8.09	-175.87	-5.29	-119.96	105.29	90.22	15.07	6.987		
2,300.00	2,299.37	2,298.50	2,285.03	7.45	8.52	0.45	-0.64	-136.41	120.45	104.98	15.47	7.786		
2,400.00	2,399.27	2,397.11	2,382.40	7.48	8.94	3.47	3.50	-151.41	131.23	115.37	15.85	8.278		
2,500.00	2,498.95	2,494.82	2,478.55	7.54	9.37	6.33	9.35	-167.75	140.30	124.06	16.23	8.642		
2,599.85	2,598.15	2,590.36	2,572.16	7.62	9.81	9.32	16.33	-185.53	148.21	131.61	16.60	8.929		
2,700.00	2,697.44	2,689.48	2,669.00	7.72	10.27	12.18	23.85	-205.27	156.19	139.14	17.04	9.165		
2,800.00	2,796.58	2,790.00	2,767.25	7.85	10.75	14.72	31.22	-225.22	164.39	146.86	17.53	9.376		
2,900.00	2,895.72	2,889.41	2,864.52	7.99	11.22	17.09	38.71	-244.32	172.29	154.26	18.03	9.558		
3,000.00	2,994.86	2,989.53	2,962.46	8.16	11.69	19.26	46.25	-263.66	180.56	162.01	18.55	9.733		
3,100.00	3,094.00	3,088.32	3,059.19	8.34	12.16	21.21	53.54	-282.34	188.63	169.55	19.07	9.889		
3,200.00	3,193.14	3,189.36	3,158.06	8.54	12.64	23.06	61.17	-301.72	197.21	177.56	19.65	10.036		
3,300.00	3,292.28	3,290.48	3,257.28	8.76	13.12	24.78	68.44	-319.86	204.67	184.43	20.24	10.111		
3,400.00	3,391.42	3,389.82	3,354.76	8.99	13.58	26.31	75.42	-337.68	212.23	191.40	20.83	10.190		
3,500.00	3,490.56	3,489.34	3,452.42	9.23	14.05	27.77	82.52	-355.49	219.93	198.50	21.43	10.262		
3,600.00	3,589.70	3,588.82	3,550.02	9.49	14.52	29.14	89.70	-373.34	227.84	205.79	22.05	10.333		
3,700.00	3,688.84	3,688.41	3,647.75	9.76	14.99	30.40	96.77	-391.12	235.75	213.07	22.69	10.392		
3,800.00	3,787.98	3,788.25	3,745.70	10.04	15.47	31.61	104.03	-409.04	243.93	220.59	23.34	10.453		
3,900.00	3,887.12	3,887.02	3,842.65	10.33	15.94	32.79	111.32	-426.44	251.97	227.98	23.99	10.503		
4,000.00	3,986.26	3,987.11	3,940.79	10.62	16.41	33.73	118.21	-444.83	260.52	235.85	24.67	10.562		
4,100.00	4,085.40	4,085.39	4,037.17	10.93	16.89	34.49	124.48	-462.99	268.97	243.64	25.33	10.619		
4,200.00	4,184.54	4,186.45	4,136.26	11.24	17.37	35.28	131.22	-481.69	277.63	251.60	26.04	10.663		
4,300.00	4,283.68	4,287.46	4,235.40	11.56	17.85	35.91	137.18	-500.09	285.69	258.94	26.75	10.681		
4,400.00	4,382.82	4,387.08	4,333.19	11.89	18.33	36.52	143.07	-518.16	293.71	266.26	27.45	10.700		
4,500.00	4,481.97	4,486.87	4,431.23	12.22	18.80	37.09	148.74	-535.88	301.32	273.15	28.16	10.699		
4,600.00	4,581.11	4,586.03	4,528.49	12.56	19.28	37.56	154.50	-554.32	309.73	280.85	28.87	10.727		
4,700.00	4,680.25	4,686.19	4,626.89	12.90	19.76	38.08	160.17	-572.14	317.40	287.80	29.60	10.722		
4,800.00	4,779.39	4,783.34	4,722.19	13.25	20.22	38.49	165.72	-590.17	325.77	295.46	30.31	10.749		
4,900.00	4,878.53	4,883.88	4,820.77	13.60	20.71	38.92	171.78	-609.00	334.48	303.43	31.05	10.772		
5,000.00	4,977.67	4,984.62	4,919.66	13.96	21.19	39.47	178.28	-627.03	342.77	310.96	31.81	10.777		
5,100.00	5,076.81	5,080.05	5,013.26	14.32	21.65	39.96	184.67	-644.50	351.57	319.05	32.52	10.812		
5,200.00	5,175.95	5,180.17	5,111.37	14.68	22.14	40.38	191.28	-663.34	360.75	327.48	33.27	10.842		
5,300.00	5,275.09	5,277.54	5,206.68	15.05	22.62	40.79	198.12	-682.02	370.51	336.50	34.01	10.894		
5,400.00	5,374.23	5,380.24	5,307.32	15.42	23.13	41.17	204.81	-701.43	379.73	344.93	34.80	10.912		
5,500.00	5,473.37	5,477.68	5,402.82	15.79	23.60	41.56	211.36	-719.60	388.91	353.37	35.54	10.942		
5,600.00	5,572.51	5,576.04	5,499.09	16.16	24.09	41.89	218.18	-738.62	398.78	362.48	36.30	10.986		
5,700.00	5,671.65	5,676.04	5,596.95	16.54	24.59	42.17	224.81	-758.06	408.56	371.49	37.07	11.021		
5,800.00	5,770.79	5,776.31	5,695.09	16.92	25.08	42.41	231.25	-777.57	418.23	380.39	37.85	11.051		
5,900.00	5,869.93	5,875.74	5,792.44	17.30	25.58	42.66	237.64	-796.78	427.81	389.19	38.62	11.078		
6,000.00	5,969.07	5,979.74	5,894.37	17.68	26.09	42.91	244.03	-816.41	436.85	397.42	39.43	11.078		
6,100.00	6,068.21	6,079.42	5,992.18	18.07	26.57	43.18	250.11	-834.67	445.44	405.23	40.21	11.077		
6,200.00	6,167.35	6,177.17	6,088.05	18.45	27.04	43.45	256.28	-852.72	454.30	413.32	40.98	11.087		
6,300.00	6,266.49	6,277.35	6,186.36	18.84	27.53	43.85	263.47	-870.53	463.18	421.41	41.77	11.088		
6,400.00	6,365.63	6,377.20	6,284.38	19.23	28.01	44.26	270.81	-888.14	472.10	429.53	42.57	11.090		
6,500.00	6,464.77	6,477.28	6,382.56	19.62	28.49	44.52	277.15	-906.41	480.84	437.48	43.36	11.089		
6,600.00	6,563.91	6,575.59	6,479.03	20.01	28.97	44.81	283.83	-924.19	489.76	445.61	44.14	11.094		
6,700.00	6,663.05	6,674.35	6,575.93	20.40	29.45	45.18	291.17	-941.73	498.88	453.94	44.94	11.101		

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

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
6,800.00	6,762.19	6,782.12	6,681.75	20.80	29.96	45.44	297.91	-961.02	507.33	461.53	45.80	11.078		
6,900.00	6,861.33	6,882.04	6,780.00	21.19	30.44	45.69	303.73	-978.26	515.01	468.42	46.59	11.053		
7,000.00	6,960.47	6,983.54	6,879.85	21.59	30.91	45.96	309.63	-995.45	522.45	475.05	47.41	11.021		
7,100.00	7,059.61	7,083.56	6,978.33	21.99	31.38	46.24	315.26	-1,012.03	529.52	481.31	48.21	10.984		
7,200.00	7,158.75	7,174.61	7,067.89	22.38	31.81	46.49	320.88	-1,027.48	537.27	488.33	48.95	10.977		
7,300.00	7,257.89	7,353.21	7,244.56	22.78	32.51	48.30	336.71	-1,044.41	543.45	493.39	50.06	10.856		
7,400.00	7,357.03	7,547.25	7,435.11	23.18	32.87	53.79	349.01	-1,012.77	527.08	476.66	50.42	10.454		
7,495.63	7,451.84	7,700.22	7,576.49	23.57	32.99	61.50	359.33	-956.27	502.90	452.06	50.83	9.893		
7,500.00	7,456.17	7,709.28	7,584.34	23.58	32.99	62.00	359.99	-951.80	501.55	450.73	50.83	9.868		
7,550.00	7,505.33	7,799.84	7,658.51	23.81	33.02	69.60	365.45	-900.28	483.75	432.64	51.11	9.465		
7,600.00	7,553.51	7,852.73	7,698.08	24.06	33.03	76.53	367.10	-865.25	463.92	411.71	52.21	8.886		
7,650.00	7,600.34	7,878.60	7,716.38	24.36	33.04	81.18	367.88	-846.98	445.77	391.97	53.80	8.286		
7,700.00	7,645.48	7,896.08	7,728.33	24.70	33.05	84.74	368.48	-834.26	431.00	375.59	55.41	7.778		
7,750.00	7,688.57	7,906.70	7,735.44	25.07	33.05	87.06	368.88	-826.37	420.75	363.91	56.84	7.402		
7,800.00	7,729.30	7,911.77	7,738.79	25.49	33.05	88.13	369.08	-822.57	415.84	357.92	57.92	7.179		
7,817.89	7,743.24	7,912.44	7,739.23	25.65	33.05	88.22	369.10	-822.07	415.47	357.27	58.20	7.138		
7,850.00	7,767.34	7,912.31	7,739.15	25.94	33.05	88.04	369.10	-822.16	416.66	358.13	58.53	7.119		
7,900.00	7,802.41	7,909.16	7,737.07	26.45	33.05	86.88	368.98	-824.53	423.21	364.55	58.66	7.215		
7,950.00	7,834.25	7,902.97	7,732.96	27.00	33.05	84.77	368.74	-829.15	435.08	376.72	58.37	7.454		
8,000.00	7,862.60	7,894.27	7,727.11	27.59	33.04	81.83	368.42	-835.59	451.62	393.84	57.78	7.816		
8,050.00	7,887.26	7,883.46	7,719.73	28.24	33.04	78.21	368.04	-843.47	472.02	414.99	57.03	8.277		
8,100.00	7,908.04	7,870.90	7,711.00	28.94	33.04	74.09	367.63	-852.50	495.43	439.19	56.24	8.809		
8,150.00	7,924.78	7,856.84	7,701.03	29.68	33.03	69.64	367.22	-862.40	521.06	465.57	55.49	9.390		
8,200.00	7,937.35	7,838.00	7,687.35	30.46	33.02	64.72	366.72	-875.34	548.21	493.45	54.76	10.011		
8,250.00	7,945.65	7,823.13	7,676.29	31.28	33.02	60.36	366.31	-885.27	576.14	521.87	54.27	10.616		
8,300.00	7,949.63	7,803.46	7,661.31	32.12	33.02	55.85	365.60	-898.00	604.31	550.50	53.81	11.230		
8,320.64	7,950.00	7,795.17	7,654.87	32.47	33.02	54.08	365.25	-903.22	615.90	562.24	53.66	11.478		
8,400.00	7,950.00	7,765.08	7,630.97	33.88	33.01	51.86	363.71	-921.41	662.48	609.30	53.18	12.458		
8,500.00	7,950.00	7,749.00	7,617.84	35.75	33.01	50.68	362.72	-930.65	727.10	673.97	53.13	13.685		
8,600.00	7,950.00	7,709.88	7,584.86	37.73	32.99	47.85	360.03	-951.50	796.66	744.13	52.52	15.168		
8,700.00	7,950.00	7,688.69	7,566.39	39.79	32.98	46.35	358.48	-961.77	871.09	818.71	52.37	16.633		
8,800.00	7,950.00	7,660.00	7,540.78	41.92	32.97	44.36	356.26	-974.50	949.39	897.32	52.07	18.234		
8,900.00	7,950.00	7,660.00	7,540.78	44.11	32.97	44.36	356.26	-974.50	1,030.50	978.14	52.36	19.680		
9,000.00	7,950.00	7,660.00	7,540.78	46.36	32.97	44.36	356.26	-974.50	1,114.69	1,062.09	52.60	21.193		
9,100.00	7,950.00	7,625.32	7,509.02	48.65	32.94	42.06	353.68	-988.19	1,199.86	1,147.64	52.21	22.980		
9,200.00	7,950.00	7,613.09	7,497.65	50.98	32.93	41.28	352.85	-992.60	1,287.27	1,235.04	52.23	24.647		
9,300.00	7,950.00	7,601.98	7,487.25	53.34	32.92	40.59	352.13	-996.43	1,376.10	1,323.84	52.25	26.335		
9,400.00	7,950.00	7,571.00	7,457.88	55.74	32.90	38.75	350.32	-1,006.13	1,466.61	1,414.61	52.00	28.205		
9,500.00	7,950.00	7,571.00	7,457.88	58.16	32.90	38.75	350.32	-1,006.13	1,557.31	1,505.14	52.18	29.848		
9,600.00	7,950.00	7,571.00	7,457.88	60.60	32.90	38.75	350.32	-1,006.13	1,649.09	1,596.76	52.33	31.515		
9,700.00	7,950.00	7,571.00	7,457.88	63.06	32.90	38.75	350.32	-1,006.13	1,741.77	1,689.31	52.46	33.201		
9,800.00	7,950.00	7,571.00	7,457.88	65.54	32.90	38.75	350.32	-1,006.13	1,835.22	1,782.64	52.58	34.904		
9,900.00	7,950.00	7,542.90	7,430.93	68.04	32.86	37.17	348.76	-1,013.93	1,928.77	1,876.38	52.39	36.813		
10,000.00	7,950.00	7,533.39	7,421.77	70.55	32.85	36.66	348.22	-1,016.42	2,023.02	1,970.61	52.41	38.600		
10,100.00	7,950.00	7,524.47	7,413.15	73.08	32.84	36.18	347.71	-1,018.68	2,117.69	2,065.26	52.43	40.390		
10,200.00	7,950.00	7,516.08	7,405.03	75.61	32.83	35.74	347.22	-1,020.73	2,212.72	2,160.27	52.46	42.183		
10,300.00	7,950.00	7,482.00	7,371.90	78.16	32.79	34.03	345.19	-1,028.45	2,308.55	2,256.30	52.25	44.186		
10,400.00	7,950.00	7,482.00	7,371.90	80.71	32.79	34.03	345.19	-1,028.45	2,404.00	2,351.65	52.35	45.922		
10,500.00	7,950.00	7,482.00	7,371.90	83.28	32.79	34.03	345.19	-1,028.45	2,499.80	2,447.35	52.45	47.663		
10,600.00	7,950.00	7,482.00	7,371.90	85.85	32.79	34.03	345.19	-1,028.45	2,595.92	2,543.38	52.54	49.408		
10,700.00	7,950.00	7,482.00	7,371.90	88.43	32.79	34.03	345.19	-1,028.45	2,692.33	2,639.70	52.63	51.158		
10,800.00	7,950.00	7,482.00	7,371.90	91.01	32.79	34.03	345.19	-1,028.45	2,788.98	2,736.27	52.71	52.911		

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

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
10,900.00	7,950.00	7,482.00	7,371.90	93.60	32.79	34.03	345.19	-1,028.45	2,885.87	2,833.08	52.79	54.665		
11,000.00	7,950.00	7,482.00	7,371.90	96.20	32.79	34.03	345.19	-1,028.45	2,982.96	2,930.09	52.87	56.421		
11,100.00	7,950.00	7,482.00	7,371.90	98.80	32.79	34.03	345.19	-1,028.45	3,080.23	3,027.29	52.94	58.179		
11,200.00	7,950.00	7,482.00	7,371.90	101.41	32.79	34.03	345.19	-1,028.45	3,177.68	3,124.66	53.02	59.936		
11,300.00	7,950.00	7,482.00	7,371.90	104.02	32.79	34.03	345.19	-1,028.45	3,275.28	3,222.19	53.09	61.693		
11,400.00	7,950.00	7,482.00	7,371.90	106.63	32.79	34.03	345.19	-1,028.45	3,373.02	3,319.86	53.16	63.450		
11,500.00	7,950.00	7,482.00	7,371.90	109.25	32.79	34.03	345.19	-1,028.45	3,470.89	3,417.66	53.23	65.206		
11,600.00	7,950.00	7,482.00	7,371.90	111.88	32.79	34.03	345.19	-1,028.45	3,568.87	3,515.58	53.30	66.960		
11,700.00	7,950.00	7,445.55	7,336.17	114.50	32.72	32.31	342.93	-1,035.25	3,665.90	3,612.77	53.13	68.995		
11,800.00	7,950.00	7,442.86	7,333.52	117.13	32.71	32.19	342.76	-1,035.69	3,763.94	3,710.75	53.19	70.767		
11,900.00	7,950.00	7,440.29	7,330.99	119.76	32.71	32.08	342.60	-1,036.09	3,862.06	3,808.82	53.24	72.536		
12,000.00	7,950.00	7,437.83	7,328.56	122.39	32.70	31.97	342.44	-1,036.47	3,960.27	3,906.97	53.30	74.302		
12,100.00	7,950.00	7,435.47	7,326.23	125.03	32.70	31.86	342.29	-1,036.83	4,058.56	4,005.21	53.36	76.064		
12,200.00	7,950.00	7,433.20	7,323.99	127.67	32.70	31.76	342.15	-1,037.16	4,156.93	4,103.51	53.41	77.824		
12,300.00	7,950.00	7,431.03	7,321.85	130.31	32.69	31.66	342.01	-1,037.48	4,255.36	4,201.88	53.47	79.579		
12,400.00	7,950.00	7,392.00	7,283.17	132.95	32.62	30.01	339.50	-1,042.04	4,354.92	4,301.61	53.32	81.678		
12,500.00	7,950.00	7,392.00	7,283.17	135.60	32.62	30.01	339.50	-1,042.04	4,453.36	4,399.97	53.39	83.408		
12,600.00	7,950.00	7,392.00	7,283.17	138.24	32.62	30.01	339.50	-1,042.04	4,551.87	4,498.41	53.47	85.134		
12,700.00	7,950.00	7,392.00	7,283.17	140.89	32.62	30.01	339.50	-1,042.04	4,650.44	4,596.90	53.54	86.857		
12,800.00	7,950.00	7,392.00	7,283.17	143.54	32.62	30.01	339.50	-1,042.04	4,749.07	4,695.46	53.62	88.576		
12,900.00	7,950.00	7,392.00	7,283.17	146.19	32.62	30.01	339.50	-1,042.04	4,847.76	4,794.07	53.69	90.291		
13,000.00	7,950.00	7,392.00	7,283.17	148.84	32.62	30.01	339.50	-1,042.04	4,946.50	4,892.74	53.76	92.003		
13,100.00	7,950.00	7,392.00	7,283.17	151.50	32.62	30.01	339.50	-1,042.04	5,045.29	4,991.45	53.84	93.710		
13,200.00	7,950.00	7,392.00	7,283.17	154.15	32.62	30.01	339.50	-1,042.04	5,144.13	5,090.21	53.91	95.413		
13,300.00	7,950.00	7,392.00	7,283.17	156.81	32.62	30.01	339.50	-1,042.04	5,243.01	5,189.02	53.99	97.111		
13,400.00	7,950.00	7,392.00	7,283.17	159.47	32.62	30.01	339.50	-1,042.04	5,341.93	5,287.87	54.07	98.805		
13,500.00	7,950.00	7,392.00	7,283.17	162.13	32.62	30.01	339.50	-1,042.04	5,440.89	5,386.75	54.14	100.495		
13,600.00	7,950.00	7,392.00	7,283.17	164.79	32.62	30.01	339.50	-1,042.04	5,539.89	5,485.67	54.22	102.179		
13,700.00	7,950.00	7,392.00	7,283.17	167.45	32.62	30.01	339.50	-1,042.04	5,638.93	5,584.63	54.29	103.859		
13,800.00	7,950.00	7,392.00	7,283.17	170.11	32.62	30.01	339.50	-1,042.04	5,737.99	5,683.62	54.37	105.534		
13,900.00	7,950.00	7,392.00	7,283.17	172.77	32.62	30.01	339.50	-1,042.04	5,837.09	5,782.64	54.45	107.204		
14,000.00	7,950.00	7,392.00	7,283.17	175.44	32.62	30.01	339.50	-1,042.04	5,936.22	5,881.70	54.53	108.868		
14,100.00	7,950.00	7,392.00	7,283.17	178.10	32.62	30.01	339.50	-1,042.04	6,035.38	5,980.78	54.61	110.528		
14,200.00	7,950.00	7,392.00	7,283.17	180.77	32.62	30.01	339.50	-1,042.04	6,134.57	6,079.88	54.68	112.182		
14,300.00	7,950.00	7,392.00	7,283.17	183.43	32.62	30.01	339.50	-1,042.04	6,233.78	6,179.02	54.76	113.831		
14,400.00	7,950.00	7,392.00	7,283.17	186.10	32.62	30.01	339.50	-1,042.04	6,333.02	6,278.17	54.84	115.474		
14,500.00	7,950.00	7,392.00	7,283.17	188.77	32.62	30.01	339.50	-1,042.04	6,432.28	6,377.35	54.92	117.112		
14,600.00	7,950.00	7,392.00	7,283.17	191.43	32.62	30.01	339.50	-1,042.04	6,531.56	6,476.55	55.01	118.745		
14,700.00	7,950.00	7,392.00	7,283.17	194.10	32.62	30.01	339.50	-1,042.04	6,630.86	6,575.78	55.09	120.371		
14,800.00	7,950.00	7,392.00	7,283.17	196.77	32.62	30.01	339.50	-1,042.04	6,730.19	6,675.02	55.17	121.993		
14,900.00	7,950.00	7,392.00	7,283.17	199.44	32.62	30.01	339.50	-1,042.04	6,829.53	6,774.28	55.25	123.608		
15,000.00	7,950.00	7,392.00	7,283.17	202.11	32.62	30.01	339.50	-1,042.04	6,928.90	6,873.56	55.33	125.218		
15,100.00	7,950.00	7,392.00	7,283.17	204.78	32.62	30.01	339.50	-1,042.04	7,028.28	6,972.86	55.42	126.821		
15,200.00	7,950.00	7,392.00	7,283.17	207.45	32.62	30.01	339.50	-1,042.04	7,127.68	7,072.17	55.50	128.420		
15,300.00	7,950.00	7,392.00	7,283.17	210.13	32.62	30.01	339.50	-1,042.04	7,227.09	7,171.50	55.59	130.012		
15,400.00	7,950.00	7,392.00	7,283.17	212.80	32.62	30.01	339.50	-1,042.04	7,326.52	7,270.85	55.67	131.598		
15,500.00	7,950.00	7,392.00	7,283.17	215.47	32.62	30.01	339.50	-1,042.04	7,425.97	7,370.21	55.76	133.178		
15,600.00	7,950.00	7,392.00	7,283.17	218.15	32.62	30.01	339.50	-1,042.04	7,525.43	7,469.58	55.85	134.752		
15,700.00	7,950.00	7,392.00	7,283.17	220.82	32.62	30.01	339.50	-1,042.04	7,624.91	7,568.97	55.93	136.320		
15,800.00	7,950.00	7,392.00	7,283.17	223.49	32.62	30.01	339.50	-1,042.04	7,724.40	7,668.37	56.02	137.882		
15,900.00	7,950.00	7,392.00	7,283.17	226.17	32.62	30.01	339.50	-1,042.04	7,823.90	7,767.79	56.11	139.438		
16,000.00	7,950.00	7,392.00	7,283.17	228.84	32.62	30.01	339.50	-1,042.04	7,923.41	7,867.21	56.20	140.988		

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

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
16,100.00	7,950.00	7,392.00	7,283.17	231.52	32.62	30.01	339.50	-1,042.04	8,022.94	7,966.65	56.29	142.532		
16,200.00	7,950.00	7,392.00	7,283.17	234.20	32.62	30.01	339.50	-1,042.04	8,122.48	8,066.10	56.38	144.069		
16,300.00	7,950.00	7,392.00	7,283.17	236.87	32.62	30.01	339.50	-1,042.04	8,222.03	8,165.56	56.47	145.601		
16,400.00	7,950.00	7,392.00	7,283.17	239.55	32.62	30.01	339.50	-1,042.04	8,321.59	8,265.03	56.56	147.126		
16,500.00	7,950.00	7,392.00	7,283.17	242.22	32.62	30.01	339.50	-1,042.04	8,421.16	8,364.50	56.65	148.645		
16,600.00	7,950.00	7,392.00	7,283.17	244.90	32.62	30.01	339.50	-1,042.04	8,520.74	8,463.99	56.75	150.157		
16,700.00	7,950.00	7,392.00	7,283.17	247.58	32.62	30.01	339.50	-1,042.04	8,620.33	8,563.49	56.84	151.663		
16,800.00	7,950.00	7,392.00	7,283.17	250.26	32.62	30.01	339.50	-1,042.04	8,719.93	8,663.00	56.93	153.163		
16,900.00	7,950.00	7,392.00	7,283.17	252.94	32.62	30.01	339.50	-1,042.04	8,819.54	8,762.51	57.03	154.657		
17,000.00	7,950.00	7,392.00	7,283.17	255.61	32.62	30.01	339.50	-1,042.04	8,919.15	8,862.03	57.12	156.144		
17,100.00	7,950.00	7,392.00	7,283.17	258.29	32.62	30.01	339.50	-1,042.04	9,018.78	8,961.56	57.22	157.626		
17,200.00	7,950.00	7,392.00	7,283.17	260.97	32.62	30.01	339.50	-1,042.04	9,118.41	9,061.10	57.31	159.100		
17,300.00	7,950.00	7,392.00	7,283.17	263.65	32.62	30.01	339.50	-1,042.04	9,218.06	9,160.65	57.41	160.569		
17,400.00	7,950.00	7,392.00	7,283.17	266.33	32.62	30.01	339.50	-1,042.04	9,317.71	9,260.20	57.51	162.031		
17,500.00	7,950.00	7,392.00	7,283.17	269.01	32.62	30.01	339.50	-1,042.04	9,417.36	9,359.76	57.60	163.486		
17,600.00	7,950.00	7,392.00	7,283.17	271.69	32.62	30.01	339.50	-1,042.04	9,517.03	9,459.33	57.70	164.936		
17,700.00	7,950.00	7,392.00	7,283.17	274.37	32.62	30.01	339.50	-1,042.04	9,616.70	9,558.90	57.80	166.379		
17,800.00	7,950.00	7,392.00	7,283.17	277.05	32.62	30.01	339.50	-1,042.04	9,716.38	9,658.48	57.90	167.815		
17,900.00	7,950.00	7,392.00	7,283.17	279.73	32.62	30.01	339.50	-1,042.04	9,816.06	9,758.06	58.00	169.246		
18,000.00	7,950.00	7,392.00	7,283.17	282.41	32.62	30.01	339.50	-1,042.04	9,915.75	9,857.65	58.10	170.670		

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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
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	
0.00	0.00	17,209.00	8,007.01	0.00	256.40	-177.75	-3,359.96	-132.03	8,594.32					
29.48	29.48	17,209.00	8,007.01	0.01	256.40	20.15	-3,359.96	-132.03	8,567.19	8,442.60	124.59	68.763		
60.08	60.08	17,209.00	8,007.01	0.12	256.40	-29.30	-3,359.96	-132.03	8,538.99	8,414.15	124.84	68.400		
90.68	90.68	17,209.00	8,007.01	0.23	256.40	-36.00	-3,359.96	-132.03	8,510.77	8,385.68	125.09	68.037		
121.28	121.28	17,209.00	8,007.01	0.34	256.40	-34.92	-3,359.96	-132.03	8,482.59	8,357.25	125.34	67.676		
151.88	151.88	17,209.00	8,007.01	0.45	256.40	-9.10	-3,359.96	-132.03	8,454.43	8,328.83	125.60	67.314		
182.48	182.47	17,209.00	8,007.01	0.56	256.40	-45.21	-3,359.96	-132.03	8,426.27	8,300.41	125.86	66.952		
213.08	213.07	17,209.00	8,007.01	0.67	256.40	-46.85	-3,359.96	-132.03	8,398.09	8,271.98	126.12	66.589		
243.68	243.67	17,209.00	8,007.01	0.78	256.40	-45.78	-3,359.96	-132.03	8,369.93	8,243.55	126.38	66.227		
286.38	286.36	17,209.00	8,007.01	0.93	256.40	-61.28	-3,359.96	-132.03	8,330.66	8,203.90	126.75	65.723		
329.08	329.05	17,209.00	8,007.01	1.08	256.40	-69.22	-3,359.96	-132.03	8,291.43	8,164.30	127.13	65.219		
371.78	371.73	17,209.00	8,007.01	1.24	256.40	-75.52	-3,359.96	-132.03	8,252.24	8,124.73	127.52	64.715		
414.48	414.41	17,209.00	8,007.01	1.39	256.40	-88.46	-3,359.96	-132.03	8,213.16	8,085.25	127.91	64.211		
457.18	457.07	17,209.00	8,007.01	1.54	256.40	-100.78	-3,359.96	-132.03	8,174.25	8,045.94	128.31	63.707		
499.88	499.73	17,209.00	8,007.01	1.70	256.40	-102.49	-3,359.96	-132.03	8,135.46	8,006.74	128.72	63.201		
542.58	542.37	17,209.00	8,007.01	1.85	256.40	-102.90	-3,359.96	-132.03	8,096.75	7,967.60	129.15	62.693		
585.28	584.99	17,220.62	8,007.03	2.00	256.71	-105.28	-3,359.46	-143.64	8,058.10	7,928.38	129.73	62.117		
627.98	627.61	17,222.38	8,007.03	2.16	256.76	-103.36	-3,359.39	-145.40	8,019.52	7,889.33	130.19	61.599		
670.68	670.24	17,224.03	8,007.03	2.31	256.80	-95.43	-3,359.32	-147.05	7,980.88	7,850.22	130.66	61.082		
713.38	712.89	17,225.42	8,007.04	2.47	256.84	-93.23	-3,359.26	-148.43	7,942.19	7,811.06	131.13	60.568		
756.08	755.57	17,226.45	8,007.04	2.62	256.87	-96.77	-3,359.22	-149.46	7,903.55	7,771.95	131.60	60.059		
798.78	798.26	17,227.15	8,007.04	2.78	256.89	-101.73	-3,359.19	-150.17	7,864.97	7,732.90	132.07	59.553		
841.48	840.95	17,227.57	8,007.04	2.93	256.90	-128.49	-3,359.17	-150.58	7,826.46	7,693.92	132.54	59.049		
884.18	883.65	17,227.80	8,007.04	3.08	256.90	-117.91	-3,359.16	-150.81	7,787.99	7,654.97	133.02	58.546		
926.88	926.35	17,227.99	8,007.04	3.23	256.91	-110.42	-3,359.15	-151.01	7,749.53	7,616.03	133.51	58.045		
969.58	969.05	17,228.20	8,007.04	3.38	256.91	-70.75	-3,359.14	-151.21	7,711.08	7,577.08	134.00	57.546		
1,012.28	1,011.75	17,228.45	8,007.04	3.53	256.92	-128.17	-3,359.13	-151.46	7,672.70	7,538.21	134.50	57.048		
1,054.98	1,054.45	17,228.75	8,007.05	3.68	256.93	-102.65	-3,359.12	-151.76	7,634.41	7,499.41	135.00	56.551		
1,097.68	1,097.15	17,229.04	8,007.05	3.84	256.94	-49.53	-3,359.11	-152.05	7,596.06	7,460.54	135.51	56.054		
1,140.38	1,139.85	17,229.29	8,007.05	3.99	256.94	-91.36	-3,359.09	-152.31	7,557.73	7,421.70	136.03	55.560		
1,183.08	1,182.55	17,229.57	8,007.05	4.14	256.95	-96.12	-3,359.08	-152.58	7,519.52	7,382.97	136.55	55.069		
1,225.78	1,225.24	17,229.87	8,007.05	4.29	256.96	-88.81	-3,359.07	-152.88	7,481.35	7,344.27	137.08	54.577		
1,268.48	1,267.94	17,229.97	8,007.05	4.44	256.96	141.91	-3,359.07	-152.98	7,443.30	7,305.68	137.61	54.089		
1,311.18	1,310.64	17,229.89	8,007.05	4.58	256.96	157.32	-3,359.07	-152.90	7,405.40	7,267.25	138.15	53.603		
1,353.88	1,353.34	17,229.78	8,007.05	4.72	256.96	145.65	-3,359.07	-152.79	7,367.60	7,228.89	138.70	53.118		
1,396.58	1,396.03	17,229.66	8,007.05	4.87	256.95	163.08	-3,359.08	-152.67	7,329.92	7,190.65	139.26	52.633		
1,439.28	1,438.72	17,229.48	8,007.05	5.01	256.95	141.18	-3,359.09	-152.49	7,292.33	7,152.49	139.83	52.150		
1,481.98	1,481.42	17,229.29	8,007.05	5.15	256.94	155.23	-3,359.09	-152.31	7,254.73	7,114.32	140.41	51.669		
1,524.68	1,524.11	17,229.15	8,007.05	5.30	256.94	145.52	-3,359.10	-152.16	7,217.18	7,076.19	140.99	51.189		
1,567.38	1,566.81	17,229.02	8,007.05	5.44	256.94	160.93	-3,359.11	-152.04	7,179.69	7,038.11	141.58	50.712		
1,610.08	1,609.51	17,228.90	8,007.05	5.59	256.93	139.08	-3,359.11	-151.92	7,142.22	7,000.05	142.17	50.236		
1,652.78	1,652.20	17,228.66	8,007.05	5.73	256.93	108.14	-3,359.12	-151.67	7,104.73	6,961.96	142.77	49.764		
1,695.48	1,694.90	17,228.41	8,007.04	5.88	256.92	113.37	-3,359.13	-151.42	7,067.23	6,923.86	143.37	49.294		
1,738.18	1,737.60	17,228.23	8,007.04	6.02	256.91	112.11	-3,359.14	-151.25	7,029.78	6,885.81	143.97	48.827		
1,780.88	1,780.30	17,228.06	8,007.04	6.17	256.91	85.29	-3,359.15	-151.08	6,992.35	6,847.77	144.58	48.362		
1,823.58	1,823.00	17,227.89	8,007.04	6.31	256.91	90.07	-3,359.15	-150.90	6,954.94	6,809.75	145.20	47.900		
1,866.28	1,865.69	17,227.67	8,007.04	6.46	256.90	91.16	-3,359.16	-150.68	6,917.61	6,771.79	145.82	47.440		
1,908.98	1,908.39	17,227.36	8,007.04	6.60	256.89	100.48	-3,359.18	-150.38	6,880.36	6,733.91	146.45	46.982		
1,951.68	1,951.09	17,227.06	8,007.04	6.75	256.88	93.14	-3,359.19	-150.08	6,843.18	6,696.10	147.08	46.526		
1,994.38	1,993.78	17,226.74	8,007.04	6.89	256.87	98.82	-3,359.20	-149.75	6,806.06	6,658.34	147.72	46.073		
2,037.08	2,036.48	17,226.33	8,007.04	7.04	256.86	95.03	-3,359.22	-149.35	6,769.02	6,620.65	148.37	45.621		
2,079.78	2,079.17	17,225.95	8,007.04	7.19	256.85	78.11	-3,359.24	-148.97	6,731.99	6,582.96	149.03	45.172		

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

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
2,122.48	2,121.87	17,225.57	8,007.04	7.33	256.84	100.82	-3,359.25	-148.59	6,695.04	6,545.35	149.69	44.726		
2,177.48	2,176.86	17,225.03	8,007.04	7.43	256.83	100.81	-3,359.28	-148.05	6,647.63	6,497.12	150.52	44.165		
2,200.00	2,199.38	17,224.88	8,007.04	7.43	256.83	102.47	-3,359.28	-147.89	6,628.25	6,477.40	150.85	43.940		
2,300.00	2,299.37	17,225.68	8,007.04	7.45	256.85	-87.45	-3,359.25	-148.69	6,542.29	6,389.94	152.35	42.942		
2,400.00	2,399.27	17,228.96	8,007.05	7.48	256.93	-89.81	-3,359.11	-151.97	6,456.61	6,302.68	153.93	41.946		
2,500.00	2,498.95	17,234.76	8,007.06	7.54	257.09	-92.74	-3,358.86	-157.77	6,371.31	6,215.73	155.58	40.953		
2,599.85	2,598.15	17,243.09	8,007.09	7.62	257.31	-95.67	-3,358.51	-166.09	6,286.64	6,129.34	157.30	39.966		
2,700.00	2,697.44	17,252.77	8,007.12	7.72	257.57	-95.51	-3,358.10	-175.76	6,202.21	6,043.12	159.09	38.985		
2,800.00	2,796.58	17,262.53	8,007.16	7.85	257.83	-95.35	-3,357.68	-185.52	6,118.36	5,957.42	160.94	38.017		
2,900.00	2,895.72	17,272.39	8,007.21	7.99	258.10	-95.19	-3,357.27	-195.37	6,034.99	5,872.15	162.84	37.061		
3,000.00	2,994.86	17,282.35	8,007.27	8.16	258.37	-95.02	-3,356.85	-205.32	5,952.10	5,787.31	164.80	36.118		
3,100.00	3,094.00	17,347.47	8,007.41	8.34	260.11	-93.94	-3,354.04	-270.37	5,869.71	5,702.07	167.64	35.014		
3,200.00	3,193.14	17,360.13	8,007.37	8.54	260.45	-93.73	-3,353.48	-283.02	5,787.73	5,617.98	169.76	34.094		
3,300.00	3,292.28	17,372.80	8,007.32	8.76	260.79	-93.51	-3,352.92	-295.68	5,706.31	5,534.38	171.93	33.189		
3,400.00	3,391.42	17,385.47	8,007.28	8.99	261.13	-93.30	-3,352.37	-308.34	5,625.45	5,451.29	174.17	32.299		
3,500.00	3,490.56	17,391.00	8,007.26	9.23	261.28	-93.21	-3,352.12	-313.86	5,545.20	5,368.85	176.35	31.444		
3,600.00	3,589.70	17,391.00	8,007.26	9.49	261.28	-93.21	-3,352.12	-313.86	5,465.59	5,287.09	178.51	30.619		
3,700.00	3,688.84	17,391.00	8,007.26	9.76	261.28	-93.21	-3,352.12	-313.86	5,386.67	5,205.95	180.71	29.808		
3,800.00	3,787.98	17,391.00	8,007.26	10.04	261.28	-93.21	-3,352.12	-313.86	5,308.45	5,125.47	182.98	29.011		
3,900.00	3,887.12	17,391.00	8,007.26	10.33	261.28	-93.21	-3,352.12	-313.86	5,230.98	5,045.68	185.30	28.230		
4,000.00	3,986.26	17,391.00	8,007.26	10.62	261.28	-93.21	-3,352.12	-313.86	5,154.28	4,966.60	187.68	27.463		
4,100.00	4,085.40	17,391.00	8,007.26	10.93	261.28	-93.21	-3,352.12	-313.86	5,078.40	4,888.28	190.11	26.713		
4,200.00	4,184.54	17,391.00	8,007.26	11.24	261.28	-93.21	-3,352.12	-313.86	5,003.36	4,810.76	192.60	25.978		
4,300.00	4,283.68	17,391.00	8,007.26	11.56	261.28	-93.21	-3,352.12	-313.86	4,929.21	4,734.06	195.15	25.259		
4,400.00	4,382.82	17,391.00	8,007.26	11.89	261.28	-93.21	-3,352.12	-313.86	4,855.98	4,658.23	197.75	24.556		
4,500.00	4,481.97	17,391.00	8,007.26	12.22	261.28	-93.21	-3,352.12	-313.86	4,783.72	4,583.32	200.40	23.871		
4,600.00	4,581.11	17,391.00	8,007.26	12.56	261.28	-93.21	-3,352.12	-313.86	4,712.48	4,509.37	203.11	23.202		
4,700.00	4,680.25	17,391.00	8,007.26	12.90	261.28	-93.21	-3,352.12	-313.86	4,642.30	4,436.44	205.87	22.550		
4,800.00	4,779.39	17,391.00	8,007.26	13.25	261.28	-93.21	-3,352.12	-313.86	4,573.23	4,364.56	208.67	21.916		
4,900.00	4,878.53	17,391.00	8,007.26	13.60	261.28	-93.21	-3,352.12	-313.86	4,505.32	4,293.79	211.53	21.299		
5,000.00	4,977.67	17,391.00	8,007.26	13.96	261.28	-93.21	-3,352.12	-313.86	4,438.63	4,224.20	214.42	20.700		
5,100.00	5,076.81	17,391.00	8,007.26	14.32	261.28	-93.21	-3,352.12	-313.86	4,373.20	4,155.84	217.36	20.119		
5,200.00	5,175.95	17,391.00	8,007.26	14.68	261.28	-93.21	-3,352.12	-313.86	4,309.10	4,088.76	220.34	19.557		
5,300.00	5,275.09	17,391.00	8,007.26	15.05	261.28	-93.21	-3,352.12	-313.86	4,246.39	4,023.04	223.35	19.012		
5,400.00	5,374.23	17,391.00	8,007.26	15.42	261.28	-93.21	-3,352.12	-313.86	4,185.13	3,958.74	226.39	18.487		
5,500.00	5,473.37	17,391.00	8,007.26	15.79	261.28	-93.21	-3,352.12	-313.86	4,125.38	3,895.94	229.45	17.980		
5,600.00	5,572.51	17,391.00	8,007.26	16.16	261.28	-93.21	-3,352.12	-313.86	4,067.22	3,834.69	232.52	17.492		
5,700.00	5,671.65	17,391.00	8,007.26	16.54	261.28	-93.21	-3,352.12	-313.86	4,010.70	3,775.09	235.61	17.023		
5,800.00	5,770.79	17,391.00	8,007.26	16.92	261.28	-93.21	-3,352.12	-313.86	3,955.91	3,717.21	238.70	16.573		
5,900.00	5,869.93	17,391.00	8,007.26	17.30	261.28	-93.21	-3,352.12	-313.86	3,902.91	3,661.13	241.78	16.142		
6,000.00	5,969.07	17,391.00	8,007.26	17.68	261.28	-93.21	-3,352.12	-313.86	3,851.77	3,606.93	244.85	15.731		
6,100.00	6,068.21	17,391.00	8,007.26	18.07	261.28	-93.21	-3,352.12	-313.86	3,802.58	3,554.70	247.89	15.340		
6,200.00	6,167.35	17,391.00	8,007.26	18.45	261.28	-93.21	-3,352.12	-313.86	3,755.41	3,504.52	250.89	14.968		
6,300.00	6,266.49	17,391.00	8,007.26	18.84	261.28	-93.21	-3,352.12	-313.86	3,710.34	3,456.49	253.85	14.616		
6,400.00	6,365.63	17,391.00	8,007.26	19.23	261.28	-93.21	-3,352.12	-313.86	3,667.43	3,410.69	256.74	14.284		
6,500.00	6,464.77	17,391.00	8,007.26	19.62	261.28	-93.21	-3,352.12	-313.86	3,626.78	3,367.22	259.57	13.972		
6,600.00	6,563.91	17,391.00	8,007.26	20.01	261.28	-93.21	-3,352.12	-313.86	3,588.46	3,326.15	262.31	13.680		
6,700.00	6,663.05	17,391.00	8,007.26	20.40	261.28	-93.21	-3,352.12	-313.86	3,552.53	3,287.59	264.95	13.408		
6,800.00	6,762.19	17,391.00	8,007.26	20.80	261.28	-93.21	-3,352.12	-313.86	3,519.09	3,251.61	267.47	13.157		
6,900.00	6,861.33	17,391.00	8,007.26	21.19	261.28	-93.21	-3,352.12	-313.86	3,488.19	3,218.31	269.87	12.925		
7,000.00	6,960.47	17,391.00	8,007.26	21.59	261.28	-93.21	-3,352.12	-313.86	3,459.90	3,187.77	272.13	12.714		
7,100.00	7,059.61	17,391.00	8,007.26	21.99	261.28	-93.21	-3,352.12	-313.86	3,434.30	3,160.06	274.24	12.523		

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

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
7,200.00	7,158.75	17,391.00	8,007.26	22.38	261.28	-93.21	-3,352.12	-313.86	3,411.43	3,135.26	276.18	12.352		
7,300.00	7,257.89	17,391.00	8,007.26	22.78	261.28	-93.21	-3,352.12	-313.86	3,391.37	3,113.43	277.94	12.202		
7,400.00	7,357.03	17,391.00	8,007.26	23.18	261.28	-93.21	-3,352.12	-313.86	3,374.14	3,094.64	279.51	12.072		
7,495.63	7,451.84	17,391.00	8,007.26	23.57	261.28	-93.21	-3,352.12	-313.86	3,360.37	3,079.55	280.82	11.966		
7,500.00	7,456.17	17,391.00	8,007.26	23.58	261.28	-93.49	-3,352.12	-313.86	3,359.81	3,078.94	280.88	11.962		
7,550.00	7,505.33	17,391.00	8,007.26	23.81	261.28	-95.56	-3,352.12	-313.86	3,354.08	3,072.60	281.48	11.916		
7,600.00	7,553.51	17,391.00	8,007.26	24.06	261.28	-96.66	-3,352.12	-313.86	3,349.68	3,067.67	282.01	11.878		
7,650.00	7,600.34	17,391.00	8,007.26	24.36	261.28	-97.33	-3,352.12	-313.86	3,346.66	3,064.18	282.48	11.847		
7,700.00	7,645.48	17,391.00	8,007.26	24.70	261.28	-97.72	-3,352.12	-313.86	3,345.05	3,062.16	282.89	11.825		
7,731.83	7,673.17	17,391.00	8,007.26	24.93	261.28	-97.86	-3,352.12	-313.86	3,344.76	3,061.65	283.11	11.814 CC		
7,750.00	7,688.57	17,391.00	8,007.26	25.07	261.28	-97.90	-3,352.12	-313.86	3,344.85	3,061.64	283.22	11.810 ES		
7,800.00	7,729.30	17,391.00	8,007.26	25.49	261.28	-97.89	-3,352.12	-313.86	3,346.08	3,062.60	283.48	11.803 SF		
7,850.00	7,767.34	17,391.00	8,007.26	25.94	261.28	-97.72	-3,352.12	-313.86	3,348.72	3,065.04	283.68	11.804		
7,900.00	7,802.41	17,391.00	8,007.26	26.45	261.28	-97.38	-3,352.12	-313.86	3,352.74	3,068.92	283.82	11.813		
7,950.00	7,834.25	17,391.00	8,007.26	27.00	261.28	-96.90	-3,352.12	-313.86	3,358.12	3,074.21	283.90	11.828		
8,000.00	7,862.60	17,391.00	8,007.26	27.59	261.28	-96.27	-3,352.12	-313.86	3,364.79	3,080.86	283.93	11.851		
8,050.00	7,887.26	17,391.00	8,007.26	28.24	261.28	-95.50	-3,352.12	-313.86	3,372.72	3,088.81	283.91	11.879		
8,100.00	7,908.04	17,391.00	8,007.26	28.94	261.28	-94.61	-3,352.12	-313.86	3,381.82	3,097.97	283.85	11.914		
8,150.00	7,924.78	17,391.00	8,007.26	29.68	261.28	-93.59	-3,352.12	-313.86	3,392.02	3,108.27	283.75	11.954		
8,200.00	7,937.35	17,391.00	8,007.26	30.46	261.28	-92.45	-3,352.12	-313.86	3,403.23	3,119.61	283.61	12.000		
8,250.00	7,945.65	17,391.00	8,007.26	31.28	261.28	-91.21	-3,352.12	-313.86	3,415.35	3,131.91	283.44	12.050		
8,300.00	7,949.63	17,391.00	8,007.26	32.12	261.28	-89.87	-3,352.12	-313.86	3,428.29	3,145.06	283.23	12.104		
8,320.64	7,950.00	17,391.00	8,007.26	32.47	261.28	-89.30	-3,352.12	-313.86	3,433.85	3,150.71	283.13	12.128		
8,400.00	7,950.00	17,391.00	8,007.26	33.88	261.28	-89.30	-3,352.12	-313.86	3,456.27	3,173.54	282.73	12.225		
8,500.00	7,950.00	17,391.00	8,007.26	35.75	261.28	-89.30	-3,352.12	-313.86	3,486.89	3,204.76	282.13	12.359		
8,600.00	7,950.00	17,391.00	8,007.26	37.73	261.28	-89.30	-3,352.12	-313.86	3,520.09	3,238.65	281.44	12.507		
8,700.00	7,950.00	17,391.00	8,007.26	39.79	261.28	-89.30	-3,352.12	-313.86	3,555.79	3,275.15	280.64	12.670		
8,800.00	7,950.00	17,391.00	8,007.26	41.92	261.28	-89.30	-3,352.12	-313.86	3,593.92	3,314.18	279.74	12.847		
8,900.00	7,950.00	17,391.00	8,007.26	44.11	261.28	-89.30	-3,352.12	-313.86	3,634.40	3,355.67	278.73	13.039		
9,000.00	7,950.00	17,391.00	8,007.26	46.36	261.28	-89.30	-3,352.12	-313.86	3,677.16	3,399.53	277.63	13.245		
9,100.00	7,950.00	17,391.00	8,007.26	48.65	261.28	-89.30	-3,352.12	-313.86	3,722.11	3,445.69	276.42	13.465		
9,200.00	7,950.00	17,391.00	8,007.26	50.98	261.28	-89.30	-3,352.12	-313.86	3,769.18	3,494.05	275.13	13.699		
9,300.00	7,950.00	17,391.00	8,007.26	53.34	261.28	-89.30	-3,352.12	-313.86	3,818.29	3,544.53	273.76	13.948		
9,400.00	7,950.00	17,391.00	8,007.26	55.74	261.28	-89.30	-3,352.12	-313.86	3,869.36	3,597.05	272.31	14.209		
9,500.00	7,950.00	17,391.00	8,007.26	58.16	261.28	-89.30	-3,352.12	-313.86	3,922.32	3,651.52	270.80	14.484		
9,600.00	7,950.00	17,391.00	8,007.26	60.60	261.28	-89.30	-3,352.12	-313.86	3,977.08	3,707.86	269.22	14.773		
9,700.00	7,950.00	17,391.00	8,007.26	63.06	261.28	-89.30	-3,352.12	-313.86	4,033.58	3,765.99	267.59	15.074		
9,800.00	7,950.00	17,391.00	8,007.26	65.54	261.28	-89.30	-3,352.12	-313.86	4,091.75	3,825.84	265.91	15.387		
9,900.00	7,950.00	17,391.00	8,007.26	68.04	261.28	-89.30	-3,352.12	-313.86	4,151.51	3,887.31	264.20	15.714		
10,000.00	7,950.00	17,391.00	8,007.26	70.55	261.28	-89.30	-3,352.12	-313.86	4,212.80	3,950.34	262.45	16.052		
10,100.00	7,950.00	17,391.00	8,007.26	73.08	261.28	-89.30	-3,352.12	-313.86	4,275.54	4,014.86	260.68	16.401		
10,200.00	7,950.00	17,391.00	8,007.26	75.61	261.28	-89.30	-3,352.12	-313.86	4,339.69	4,080.80	258.89	16.763		
10,300.00	7,950.00	17,391.00	8,007.26	78.16	261.28	-89.30	-3,352.12	-313.86	4,405.17	4,148.09	257.08	17.135		
10,400.00	7,950.00	17,391.00	8,007.26	80.71	261.28	-89.30	-3,352.12	-313.86	4,471.92	4,216.66	255.26	17.519		
10,500.00	7,950.00	17,391.00	8,007.26	83.28	261.28	-89.30	-3,352.12	-313.86	4,539.90	4,286.46	253.44	17.913		
10,600.00	7,950.00	17,391.00	8,007.26	85.85	261.28	-89.30	-3,352.12	-313.86	4,609.05	4,357.43	251.61	18.318		
10,700.00	7,950.00	17,391.00	8,007.26	88.43	261.28	-89.30	-3,352.12	-313.86	4,679.31	4,429.52	249.79	18.733		
10,800.00	7,950.00	17,391.00	8,007.26	91.01	261.28	-89.30	-3,352.12	-313.86	4,750.64	4,502.66	247.98	19.158		
10,900.00	7,950.00	17,391.00	8,007.26	93.60	261.28	-89.30	-3,352.12	-313.86	4,822.98	4,576.82	246.17	19.592		
11,000.00	7,950.00	17,391.00	8,007.26	96.20	261.28	-89.30	-3,352.12	-313.86	4,896.30	4,651.93	244.37	20.036		
11,100.00	7,950.00	17,391.00	8,007.26	98.80	261.28	-89.30	-3,352.12	-313.86	4,970.55	4,727.97	242.59	20.490		
11,200.00	7,950.00	17,391.00	8,007.26	101.41	261.28	-89.30	-3,352.12	-313.86	5,045.69	4,804.87	240.82	20.952		

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



# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
11,300.00	7,950.00	17,391.00	8,007.26	104.02	261.28	-89.30	-3,352.12	-313.86	5,121.68	4,882.61	239.07	21.423		
11,400.00	7,950.00	17,391.00	8,007.26	106.63	261.28	-89.30	-3,352.12	-313.86	5,198.49	4,961.14	237.34	21.903		
11,500.00	7,950.00	17,391.00	8,007.26	109.25	261.28	-89.30	-3,352.12	-313.86	5,276.07	5,040.43	235.64	22.391		
11,600.00	7,950.00	17,391.00	8,007.26	111.88	261.28	-89.30	-3,352.12	-313.86	5,354.39	5,120.44	233.95	22.887		
11,700.00	7,950.00	17,391.00	8,007.26	114.50	261.28	-89.30	-3,352.12	-313.86	5,433.42	5,201.14	232.29	23.391		
11,800.00	7,950.00	17,391.00	8,007.26	117.13	261.28	-89.30	-3,352.12	-313.86	5,513.14	5,282.49	230.65	23.903		
11,900.00	7,950.00	17,391.00	8,007.26	119.76	261.28	-89.30	-3,352.12	-313.86	5,593.51	5,364.48	229.03	24.423		
12,000.00	7,950.00	17,391.00	8,007.26	122.39	261.28	-89.30	-3,352.12	-313.86	5,674.50	5,447.06	227.44	24.949		
12,100.00	7,950.00	17,391.00	8,007.26	125.03	261.28	-89.30	-3,352.12	-313.86	5,756.09	5,530.21	225.87	25.484		
12,200.00	7,950.00	17,391.00	8,007.26	127.67	261.28	-89.30	-3,352.12	-313.86	5,838.25	5,613.92	224.34	26.025		
12,300.00	7,950.00	17,391.00	8,007.26	130.31	261.28	-89.30	-3,352.12	-313.86	5,920.96	5,698.14	222.82	26.573		
12,400.00	7,950.00	17,391.00	8,007.26	132.95	261.28	-89.30	-3,352.12	-313.86	6,004.20	5,782.86	221.33	27.127		
12,500.00	7,950.00	17,391.00	8,007.26	135.60	261.28	-89.30	-3,352.12	-313.86	6,087.94	5,868.07	219.87	27.688		
12,600.00	7,950.00	17,391.00	8,007.26	138.24	261.28	-89.30	-3,352.12	-313.86	6,172.17	5,953.73	218.44	28.256		
12,700.00	7,950.00	17,391.00	8,007.26	140.89	261.28	-89.30	-3,352.12	-313.86	6,256.86	6,039.83	217.03	28.830		
12,800.00	7,950.00	17,391.00	8,007.26	143.54	261.28	-89.30	-3,352.12	-313.86	6,341.99	6,126.35	215.65	29.409		
12,900.00	7,950.00	17,391.00	8,007.26	146.19	261.28	-89.30	-3,352.12	-313.86	6,427.56	6,213.27	214.29	29.995		
13,000.00	7,950.00	17,391.00	8,007.26	148.84	261.28	-89.30	-3,352.12	-313.86	6,513.53	6,300.58	212.96	30.586		
13,100.00	7,950.00	17,391.00	8,007.26	151.50	261.28	-89.30	-3,352.12	-313.86	6,599.90	6,388.25	211.65	31.183		
13,200.00	7,950.00	17,391.00	8,007.26	154.15	261.28	-89.30	-3,352.12	-313.86	6,686.65	6,476.29	210.37	31.786		
13,300.00	7,950.00	17,391.00	8,007.26	156.81	261.28	-89.30	-3,352.12	-313.86	6,773.77	6,564.66	209.11	32.393		
13,400.00	7,950.00	17,391.00	8,007.26	159.47	261.28	-89.30	-3,352.12	-313.86	6,861.24	6,653.36	207.88	33.006		
13,500.00	7,950.00	17,391.00	8,007.26	162.13	261.28	-89.30	-3,352.12	-313.86	6,949.04	6,742.37	206.67	33.624		
13,600.00	7,950.00	17,391.00	8,007.26	164.79	261.28	-89.30	-3,352.12	-313.86	7,037.17	6,831.69	205.48	34.247		
13,700.00	7,950.00	17,391.00	8,007.26	167.45	261.28	-89.30	-3,352.12	-313.86	7,125.62	6,921.30	204.32	34.875		
13,800.00	7,950.00	17,391.00	8,007.26	170.11	261.28	-89.30	-3,352.12	-313.86	7,214.36	7,011.18	203.18	35.507		
13,900.00	7,950.00	17,391.00	8,007.26	172.77	261.28	-89.30	-3,352.12	-313.86	7,303.40	7,101.34	202.06	36.144		
14,000.00	7,950.00	17,391.00	8,007.26	175.44	261.28	-89.30	-3,352.12	-313.86	7,392.72	7,191.75	200.97	36.786		
14,100.00	7,950.00	17,391.00	8,007.26	178.10	261.28	-89.30	-3,352.12	-313.86	7,482.30	7,282.41	199.89	37.432		
14,200.00	7,950.00	17,391.00	8,007.26	180.77	261.28	-89.30	-3,352.12	-313.86	7,572.15	7,373.31	198.84	38.082		
14,300.00	7,950.00	17,391.00	8,007.26	183.43	261.28	-89.30	-3,352.12	-313.86	7,662.25	7,464.44	197.81	38.736		
14,400.00	7,950.00	17,391.00	8,007.26	186.10	261.28	-89.30	-3,352.12	-313.86	7,752.59	7,555.80	196.80	39.394		
14,500.00	7,950.00	17,391.00	8,007.26	188.77	261.28	-89.30	-3,352.12	-313.86	7,843.17	7,647.36	195.81	40.056		
14,600.00	7,950.00	17,391.00	8,007.26	191.43	261.28	-89.30	-3,352.12	-313.86	7,933.97	7,739.14	194.83	40.722		
14,700.00	7,950.00	17,391.00	8,007.26	194.10	261.28	-89.30	-3,352.12	-313.86	8,025.00	7,831.11	193.88	41.391		
14,800.00	7,950.00	17,391.00	8,007.26	196.77	261.28	-89.30	-3,352.12	-313.86	8,116.23	7,923.28	192.95	42.065		
14,900.00	7,950.00	17,391.00	8,007.26	199.44	261.28	-89.30	-3,352.12	-313.86	8,207.67	8,015.63	192.03	42.741		
15,000.00	7,950.00	17,391.00	8,007.26	202.11	261.28	-89.30	-3,352.12	-313.86	8,299.30	8,108.17	191.13	43.422		
15,100.00	7,950.00	17,391.00	8,007.26	204.78	261.28	-89.30	-3,352.12	-313.86	8,391.13	8,200.87	190.25	44.105		
15,200.00	7,950.00	17,391.00	8,007.26	207.45	261.28	-89.30	-3,352.12	-313.86	8,483.14	8,293.75	189.39	44.792		
15,300.00	7,950.00	17,391.00	8,007.26	210.13	261.28	-89.30	-3,352.12	-313.86	8,575.33	8,386.78	188.54	45.482		
15,400.00	7,950.00	17,391.00	8,007.26	212.80	261.28	-89.30	-3,352.12	-313.86	8,667.69	8,479.98	187.71	46.175		
15,500.00	7,950.00	17,391.00	8,007.26	215.47	261.28	-89.30	-3,352.12	-313.86	8,760.22	8,573.32	186.90	46.871		
15,600.00	7,950.00	17,391.00	8,007.26	218.15	261.28	-89.30	-3,352.12	-313.86	8,852.91	8,666.81	186.10	47.570		
15,700.00	7,950.00	17,391.00	8,007.26	220.82	261.28	-89.30	-3,352.12	-313.86	8,945.76	8,760.44	185.32	48.271		
15,800.00	7,950.00	17,391.00	8,007.26	223.49	261.28	-89.30	-3,352.12	-313.86	9,038.77	8,854.21	184.55	48.976		
15,900.00	7,950.00	17,391.00	8,007.26	226.17	261.28	-89.30	-3,352.12	-313.86	9,131.92	8,948.12	183.80	49.683		
16,000.00	7,950.00	17,391.00	8,007.26	228.84	261.28	-89.30	-3,352.12	-313.86	9,225.21	9,042.15	183.07	50.393		
16,100.00	7,950.00	17,391.00	8,007.26	231.52	261.28	-89.30	-3,352.12	-313.86	9,318.65	9,136.30	182.34	51.105		
16,200.00	7,950.00	17,391.00	8,007.26	234.20	261.28	-89.30	-3,352.12	-313.86	9,412.21	9,230.58	181.63	51.820		
16,300.00	7,950.00	17,391.00	8,007.26	236.87	261.28	-89.30	-3,352.12	-313.86	9,505.91	9,324.98	180.94	52.538		
16,400.00	7,950.00	17,391.00	8,007.26	239.55	261.28	-89.30	-3,352.12	-313.86	9,599.74	9,419.49	180.25	53.257		

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



## Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SEC 21-T4S-R65W - EXIST HZ SUNSET 4-65 21-22 1H - OWB - FINAL SURVEY												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 187-MWD OWSG												<b>Offset Well Error:</b>	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	
16,500.00	7,950.00	17,391.00	8,007.26	242.22	261.28	-89.30	-3,352.12	-313.86	9,693.69	9,514.11	179.58	53.979	
16,600.00	7,950.00	17,391.00	8,007.26	244.90	261.28	-89.30	-3,352.12	-313.86	9,787.76	9,608.83	178.93	54.703	
16,700.00	7,950.00	17,391.00	8,007.26	247.58	261.28	-89.30	-3,352.12	-313.86	9,881.95	9,703.67	178.28	55.429	
16,800.00	7,950.00	17,391.00	8,007.26	250.26	261.28	-89.30	-3,352.12	-313.86	9,976.24	9,798.60	177.65	56.158	

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Semi Major Axis Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
0.00	0.00	4.12	4.12	0.00	0.00	141.46	-58.64	46.71	74.97					
29.48	29.48	33.47	33.47	0.01	0.02	-20.74	-58.67	46.73	74.97	74.94	0.03	2,179.512		
29.76	29.76	33.76	33.76	0.01	0.03	-20.74	-58.67	46.73	74.97	74.94	0.04	2,056.268		
60.08	60.08	63.93	63.93	0.12	0.13	-69.45	-58.83	46.68	74.99	74.74	0.25	297.195		
90.68	90.68	94.81	94.81	0.23	0.24	-76.08	-59.07	46.45	74.94	74.47	0.47	158.847		
97.48	97.48	101.47	101.46	0.25	0.27	-75.86	-59.12	46.39	74.93	74.41	0.52	144.140 CC		
121.28	121.28	124.84	124.84	0.34	0.35	-75.03	-59.37	46.27	75.01	74.32	0.69	108.859		
151.88	151.88	155.51	155.51	0.45	0.46	-49.56	-59.75	46.17	75.14	74.24	0.91	82.706		
182.48	182.47	186.40	186.39	0.56	0.57	-84.61	-60.03	46.02	75.19	74.06	1.13	66.607		
213.08	213.07	216.70	216.69	0.67	0.68	-85.98	-60.37	45.85	75.32	73.97	1.35	55.898		
243.68	243.67	247.38	247.36	0.78	0.79	-84.98	-60.78	45.65	75.47	73.90	1.57	48.149		
286.38	286.36	289.96	289.94	0.93	0.94	-99.64	-61.45	45.31	75.83	73.95	1.87	40.465		
329.08	329.05	333.69	333.66	1.08	1.10	-106.62	-62.19	44.42	76.09	73.90	2.18	34.841		
371.78	371.73	376.65	376.58	1.24	1.26	-111.71	-63.01	42.89	76.20	73.71	2.49	30.583		
414.48	414.41	419.78	419.63	1.39	1.42	-123.24	-64.02	40.68	76.34	73.53	2.80	27.252 ES		
457.18	457.07	462.09	461.84	1.54	1.57	-133.41	-65.43	37.98	76.90	73.79	3.11	24.726		
499.88	499.73	504.42	503.98	1.70	1.73	-132.40	-67.58	34.57	78.05	74.63	3.42	22.805		
542.58	542.37	547.42	546.70	1.85	1.89	-129.60	-70.10	30.51	79.47	75.72	3.74	21.240		
585.28	584.99	590.15	589.13	2.00	2.06	-129.53	-72.63	26.10	81.02	76.95	4.06	19.943		
627.98	627.61	632.36	631.00	2.16	2.23	-125.30	-75.36	21.46	82.81	78.42	4.38	18.885		
670.68	670.24	674.61	672.76	2.31	2.40	-115.33	-78.60	15.97	84.60	79.89	4.71	17.955		
713.38	712.89	715.41	712.98	2.47	2.57	-111.20	-82.43	10.24	86.80	81.76	5.04	17.237		
756.08	755.57	755.95	752.80	2.62	2.75	-112.73	-87.09	4.25	89.96	84.60	5.36	16.794		
798.78	798.26	798.41	794.41	2.78	2.94	-114.55	-92.37	-2.35	93.80	88.12	5.69	16.496		
841.48	840.95	840.14	835.31	2.93	3.13	-138.61	-97.49	-8.87	98.05	92.04	6.01	16.323		
884.18	883.65	881.52	875.83	3.08	3.33	-124.27	-102.71	-15.41	102.86	96.54	6.32	16.276		
926.88	926.35	922.72	916.13	3.23	3.52	-113.17	-108.11	-22.09	108.28	101.65	6.63	16.334		
969.58	969.05	964.68	957.13	3.38	3.72	-69.87	-113.71	-29.05	114.13	107.19	6.94	16.440		
1,012.28	1,011.75	1,007.99	999.46	3.53	3.93	-123.79	-119.17	-36.36	120.15	112.89	7.26	16.540		
1,054.98	1,054.45	1,049.28	1,039.85	3.68	4.13	-95.26	-124.13	-43.36	126.33	118.76	7.57	16.691		
1,097.68	1,097.15	1,091.44	1,081.07	3.84	4.34	-39.75	-129.28	-50.57	132.65	124.77	7.88	16.838		
1,140.38	1,139.85	1,132.66	1,121.35	3.99	4.54	-79.22	-134.26	-57.79	139.18	131.00	8.18	17.017		
1,183.08	1,182.55	1,174.30	1,162.03	4.14	4.75	-81.56	-139.46	-64.99	146.23	137.74	8.48	17.236		
1,225.78	1,225.24	1,216.42	1,203.17	4.29	4.96	-72.22	-144.65	-72.36	153.41	144.62	8.79	17.448		
1,268.48	1,267.94	1,257.93	1,243.70	4.44	5.16	158.79	-149.64	-79.83	160.94	151.85	9.09	17.706		
1,311.18	1,310.64	1,300.29	1,285.08	4.58	5.38	176.24	-154.77	-87.30	168.94	159.55	9.39	17.993		
1,353.88	1,353.34	1,346.28	1,330.09	4.72	5.60	166.10	-159.73	-95.30	176.62	166.90	9.72	18.178		
1,396.58	1,396.03	1,389.50	1,372.52	4.87	5.81	-174.57	-163.56	-102.59	183.75	173.72	10.02	18.336		
1,439.28	1,438.72	1,430.97	1,413.25	5.01	6.01	164.29	-167.19	-109.49	191.02	180.71	10.31	18.523		
1,481.98	1,481.42	1,473.04	1,454.59	5.15	6.21	-179.69	-171.02	-116.31	198.35	187.74	10.61	18.698		
1,524.68	1,524.11	1,514.57	1,495.41	5.30	6.40	171.42	-174.85	-122.91	205.69	194.79	10.90	18.869		
1,567.38	1,566.81	1,558.26	1,538.37	5.44	6.61	-171.56	-178.85	-129.75	213.02	201.81	11.21	19.002		
1,610.08	1,609.51	1,601.80	1,581.26	5.59	6.81	167.12	-182.50	-136.33	219.96	208.44	11.52	19.098		
1,652.78	1,652.20	1,645.19	1,624.05	5.73	7.01	136.68	-185.99	-142.61	226.62	214.80	11.82	19.170		
1,695.48	1,694.90	1,688.55	1,666.86	5.88	7.20	143.22	-189.37	-148.58	232.98	220.85	12.12	19.216		
1,738.18	1,737.60	1,731.98	1,709.79	6.02	7.40	142.91	-192.63	-154.33	239.08	226.66	12.43	19.239		
1,780.88	1,780.30	1,775.45	1,752.79	6.17	7.59	116.74	-195.73	-159.91	244.91	232.18	12.73	19.239		
1,823.58	1,823.00	1,816.37	1,793.28	6.31	7.77	122.18	-198.74	-164.98	250.70	237.68	13.02	19.258		
1,866.28	1,865.69	1,856.99	1,833.43	6.46	7.95	123.54	-201.89	-170.22	256.84	243.53	13.30	19.304		
1,908.98	1,908.39	1,897.51	1,873.44	6.60	8.13	133.37	-205.03	-175.87	263.37	249.77	13.59	19.377		
1,951.68	1,951.09	1,939.07	1,914.43	6.75	8.32	126.96	-208.34	-181.83	270.12	256.24	13.89	19.454		
1,994.38	1,993.78	1,980.53	1,955.32	6.89	8.51	132.89	-211.65	-187.86	276.98	262.80	14.18	19.534		

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

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	2,036.48	2,021.60	1,995.80	7.04	8.70	129.63	-215.02	-193.89	284.07	269.60	14.47	19.630		
2,079.78	2,079.17	2,064.11	2,037.71	7.19	8.89	113.62	-218.65	-200.08	291.16	276.39	14.77	19.710		
2,122.48	2,121.87	2,107.36	2,080.38	7.33	9.09	136.64	-222.39	-206.05	298.13	283.05	15.08	19.770		
2,177.48	2,176.86	2,161.13	2,133.45	7.43	9.33	137.28	-226.94	-213.42	307.20	291.83	15.37	19.983		
2,200.00	2,199.38	2,183.83	2,155.84	7.43	9.43	140.00	-228.87	-216.55	310.88	295.42	15.46	20.110		
2,300.00	2,299.37	2,285.04	2,255.81	7.45	9.89	-45.65	-237.20	-230.03	325.26	309.40	15.86	20.512		
2,400.00	2,399.27	2,386.53	2,356.14	7.48	10.34	-44.34	-245.01	-243.17	336.52	320.25	16.28	20.675		
2,500.00	2,498.95	2,474.01	2,442.46	7.54	10.74	-43.97	-251.84	-255.57	346.25	329.62	16.63	20.819		
2,599.85	2,598.15	2,568.83	2,535.36	7.62	11.20	-43.81	-260.45	-272.46	356.78	339.72	17.06	20.911		
2,700.00	2,697.44	2,669.44	2,633.94	7.72	11.70	-44.12	-269.64	-290.34	366.13	348.56	17.56	20.847		
2,800.00	2,796.58	2,767.01	2,729.52	7.85	12.18	-44.38	-278.58	-307.80	375.56	357.50	18.06	20.793		
2,900.00	2,895.72	2,865.81	2,826.31	7.99	12.67	-44.80	-288.59	-324.92	385.38	366.79	18.59	20.730		
3,000.00	2,994.86	2,965.20	2,923.66	8.16	13.16	-45.29	-299.32	-341.82	395.51	376.37	19.14	20.661		
3,100.00	3,094.00	3,067.92	3,024.44	8.34	13.67	-45.77	-309.71	-358.77	404.80	385.06	19.74	20.510		
3,200.00	3,193.14	3,166.43	3,121.05	8.54	14.15	-46.21	-319.80	-375.13	414.30	393.98	20.32	20.392		
3,300.00	3,292.28	3,268.11	3,220.80	8.76	14.65	-46.58	-329.68	-392.20	423.52	402.59	20.93	20.232		
3,400.00	3,391.42	3,367.30	3,318.13	8.99	15.13	-46.84	-338.72	-409.11	432.45	410.90	21.55	20.072		
3,500.00	3,490.56	3,467.56	3,416.46	9.23	15.62	-47.09	-347.88	-426.35	441.50	419.32	22.18	19.907		
3,600.00	3,589.70	3,562.88	3,509.96	9.49	16.09	-47.40	-357.25	-442.33	450.83	428.04	22.79	19.781		
3,700.00	3,688.84	3,670.18	3,615.33	9.76	16.61	-47.79	-367.65	-459.77	459.75	436.26	23.50	19.567		
3,800.00	3,787.98	3,767.27	3,710.72	10.04	17.08	-48.14	-376.91	-475.28	468.38	444.24	24.14	19.399		
3,900.00	3,887.12	3,873.74	3,815.44	10.33	17.58	-48.56	-386.94	-491.70	476.61	451.75	24.86	19.170		
4,000.00	3,986.26	3,982.40	3,922.55	10.62	18.08	-48.82	-394.73	-508.17	482.88	457.29	25.59	18.870		
4,100.00	4,085.40	4,076.29	4,015.04	10.93	18.52	-48.86	-400.06	-523.40	488.62	462.38	26.24	18.619		
4,200.00	4,184.54	4,165.22	4,102.28	11.24	18.95	-48.80	-406.13	-539.51	496.44	469.57	26.87	18.477		
4,300.00	4,283.68	4,262.26	4,197.50	11.56	19.42	-49.10	-415.88	-555.48	505.83	478.27	27.56	18.353		
4,400.00	4,382.82	4,357.32	4,290.75	11.89	19.89	-49.42	-425.91	-571.01	515.58	487.33	28.25	18.253		
4,500.00	4,481.97	4,457.55	4,388.98	12.22	20.38	-49.77	-437.06	-587.50	525.88	496.90	28.98	18.148		
4,600.00	4,581.11	4,560.32	4,489.78	12.56	20.89	-50.07	-447.70	-604.45	535.58	505.85	29.73	18.015		
4,700.00	4,680.25	4,655.27	4,582.82	12.90	21.36	-50.32	-457.81	-620.48	545.77	515.34	30.43	17.934		
4,800.00	4,779.39	4,760.86	4,686.38	13.25	21.88	-50.57	-468.51	-638.11	555.44	524.22	31.21	17.794		
4,900.00	4,878.53	4,856.79	4,780.46	13.60	22.35	-50.74	-477.75	-654.37	564.85	532.92	31.93	17.690		
5,000.00	4,977.67	4,951.02	4,872.77	13.96	22.82	-51.01	-488.30	-670.09	575.41	542.77	32.65	17.626		
5,100.00	5,076.81	5,055.68	4,975.28	14.32	23.34	-51.30	-500.08	-687.59	586.07	552.63	33.44	17.527		
5,200.00	5,175.95	5,153.93	5,071.65	14.68	23.83	-51.55	-510.42	-703.67	595.92	561.73	34.19	17.431		
5,300.00	5,275.09	5,250.29	5,166.09	15.05	24.30	-51.82	-521.25	-719.48	606.40	571.47	34.93	17.360		
5,400.00	5,374.23	5,357.84	5,271.57	15.42	24.83	-52.12	-533.07	-736.84	616.54	580.79	35.75	17.245		
5,500.00	5,473.37	5,452.12	5,364.10	15.79	25.29	-52.40	-543.36	-751.68	626.41	589.92	36.49	17.168		
5,600.00	5,572.51	5,544.70	5,454.80	16.16	25.75	-52.67	-554.30	-766.69	637.30	600.09	37.21	17.125		
5,700.00	5,671.65	5,647.54	5,555.45	16.54	26.27	-52.92	-566.43	-783.95	648.52	610.50	38.02	17.059		
5,800.00	5,770.79	5,755.19	5,660.97	16.92	26.80	-53.10	-577.67	-802.07	658.62	619.77	38.85	16.954		
5,900.00	5,869.93	5,855.63	5,759.57	17.30	27.29	-53.28	-587.65	-818.41	667.98	628.35	39.63	16.855		
6,000.00	5,969.07	5,961.80	5,863.79	17.68	27.81	-53.43	-597.70	-835.97	677.11	636.66	40.45	16.739		
6,100.00	6,068.21	6,061.34	5,961.55	18.07	28.29	-53.49	-606.11	-852.68	685.51	644.28	41.23	16.628		
6,200.00	6,167.35	6,171.83	6,070.34	18.45	28.81	-53.65	-615.12	-869.78	692.91	650.84	42.07	16.471		
6,300.00	6,266.49	6,263.47	6,160.56	18.84	29.24	-53.78	-622.59	-884.06	700.40	657.60	42.81	16.363		
6,400.00	6,365.63	6,360.14	6,255.54	19.23	29.71	-53.90	-631.29	-899.77	708.98	665.41	43.57	16.271		
6,500.00	6,464.77	6,464.56	6,358.27	19.62	30.20	-54.03	-640.18	-916.26	716.88	672.50	44.39	16.151		
6,600.00	6,563.91	6,571.01	6,463.01	20.01	30.70	-54.16	-648.93	-933.05	724.57	679.36	45.21	16.027		
6,700.00	6,663.05	6,675.44	6,566.04	20.40	31.18	-54.35	-656.89	-948.13	731.01	684.98	46.02	15.883		
6,800.00	6,762.19	6,761.00	6,650.35	20.80	31.58	-54.47	-663.74	-961.02	738.14	691.40	46.74	15.793		
6,900.00	6,861.33	6,878.48	6,766.23	21.19	32.12	-54.74	-673.52	-977.57	745.00	697.37	47.63	15.641		

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

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
7,000.00	6,960.47	6,953.28	6,839.91	21.59	32.46	-54.87	-679.92	-988.69	752.50	704.21	48.29	15.584		
7,100.00	7,059.61	7,052.63	6,937.35	21.99	32.95	-54.90	-688.83	-1,005.93	761.66	712.58	49.08	15.519		
7,200.00	7,158.75	7,150.69	7,033.50	22.38	33.44	-54.93	-697.76	-1,023.02	770.97	721.11	49.86	15.462		
7,300.00	7,257.89	7,258.42	7,139.29	22.78	33.94	-55.07	-708.22	-1,040.36	780.13	729.43	50.70	15.386		
7,400.00	7,357.03	7,400.00	7,345.28	23.18	34.45	-58.21	-733.57	-1,031.47	781.35	729.55	51.79	15.086		
7,495.63	7,451.84	7,655.57	7,524.20	23.57	34.76	-63.92	-749.02	-976.18	768.44	715.70	52.74	14.570		
7,500.00	7,456.17	7,660.65	7,528.83	23.58	34.76	-64.40	-749.42	-974.15	767.79	715.00	52.79	14.544		
7,550.00	7,505.33	7,727.09	7,587.78	23.81	34.78	-69.71	-754.90	-944.08	759.34	705.95	53.39	14.223		
7,600.00	7,553.51	7,776.55	7,629.26	24.06	34.78	-74.09	-759.20	-917.49	749.91	695.73	54.18	13.841		
7,650.00	7,600.34	7,812.44	7,658.20	24.36	34.77	-77.66	-762.36	-896.52	740.95	685.88	55.07	13.454		
7,700.00	7,645.48	7,839.40	7,679.32	24.70	34.77	-80.54	-764.75	-879.94	733.39	677.39	56.00	13.096		
7,750.00	7,688.57	7,860.45	7,695.37	25.07	34.76	-82.81	-766.61	-866.45	727.91	670.98	56.93	12.786		
7,800.00	7,729.30	7,873.59	7,705.15	25.49	34.76	-84.22	-767.75	-857.75	725.03	667.23	57.80	12.544		
7,824.07	7,747.96	7,877.44	7,707.98	25.71	34.76	-84.60	-768.08	-855.15	724.68	666.49	58.19	12.454		
7,850.00	7,767.34	7,880.08	7,709.91	25.94	34.76	-84.81	-768.30	-853.37	725.09	666.52	58.57	12.380		
7,900.00	7,802.41	7,881.43	7,710.89	26.45	34.76	-84.67	-768.42	-852.45	728.23	669.01	59.22	12.296		
7,950.00	7,834.25	7,878.78	7,708.96	27.00	34.76	-83.89	-768.19	-854.25	734.42	674.65	59.77	12.288 SF		
8,000.00	7,862.60	7,872.96	7,704.68	27.59	34.76	-82.56	-767.69	-858.17	743.48	683.28	60.20	12.349		
8,050.00	7,887.26	7,864.61	7,698.49	28.24	34.76	-80.76	-766.97	-863.72	755.16	694.60	60.56	12.470		
8,100.00	7,908.04	7,854.22	7,690.67	28.94	34.77	-78.57	-766.06	-870.50	769.15	708.29	60.85	12.639		
8,150.00	7,924.78	7,844.00	7,682.87	29.68	34.77	-76.20	-765.16	-877.04	785.07	723.94	61.14	12.841		
8,200.00	7,937.35	7,827.68	7,670.20	30.46	34.77	-73.28	-763.71	-887.24	802.55	741.22	61.33	13.086		
8,250.00	7,945.65	7,811.76	7,657.67	31.28	34.77	-70.33	-762.30	-896.93	821.19	759.65	61.54	13.343		
8,300.00	7,949.63	7,794.53	7,643.87	32.12	34.78	-67.30	-760.78	-907.15	840.61	778.85	61.76	13.612		
8,320.64	7,950.00	7,787.07	7,637.83	32.47	34.78	-66.05	-760.13	-911.49	848.76	786.91	61.85	13.724		
8,400.00	7,950.00	7,755.00	7,611.43	33.88	34.78	-64.21	-757.31	-929.46	882.53	820.44	62.09	14.214		
8,500.00	7,950.00	7,732.60	7,592.51	35.75	34.78	-62.92	-755.37	-941.29	931.33	868.79	62.55	14.890		
8,600.00	7,950.00	7,709.90	7,572.87	37.73	34.77	-61.61	-753.45	-952.51	986.62	923.79	62.83	15.703		
8,700.00	7,950.00	7,690.06	7,555.36	39.79	34.77	-60.46	-751.80	-961.67	1,047.59	984.56	63.02	16.622		
8,800.00	7,950.00	7,666.00	7,533.70	41.92	34.76	-59.08	-749.85	-971.97	1,113.51	1,050.47	63.04	17.664		
8,900.00	7,950.00	7,666.00	7,533.70	44.11	34.76	-59.08	-749.85	-971.97	1,183.62	1,120.28	63.34	18.686		
9,000.00	7,950.00	7,638.00	7,508.06	46.36	34.75	-57.48	-747.66	-983.01	1,257.07	1,193.92	63.15	19.907		
9,100.00	7,950.00	7,622.38	7,493.60	48.65	34.74	-56.60	-746.48	-988.79	1,333.60	1,270.50	63.09	21.136		
9,200.00	7,950.00	7,608.11	7,480.30	50.98	34.73	-55.81	-745.42	-993.85	1,412.68	1,349.65	63.03	22.413		
9,300.00	7,950.00	7,577.00	7,451.00	53.34	34.71	-54.11	-743.22	-1,004.08	1,494.25	1,431.52	62.72	23.823		
9,400.00	7,950.00	7,577.00	7,451.00	55.74	34.71	-54.11	-743.22	-1,004.08	1,577.16	1,514.35	62.81	25.111		
9,500.00	7,950.00	7,577.00	7,451.00	58.16	34.71	-54.11	-743.22	-1,004.08	1,661.95	1,599.08	62.86	26.438		
9,600.00	7,950.00	7,577.00	7,451.00	60.60	34.71	-54.11	-743.22	-1,004.08	1,748.35	1,685.45	62.89	27.798		
9,700.00	7,950.00	7,545.16	7,420.69	63.06	34.67	-52.41	-740.86	-1,013.53	1,835.46	1,772.90	62.56	29.338		
9,800.00	7,950.00	7,533.92	7,409.93	65.54	34.66	-51.82	-739.95	-1,016.64	1,923.89	1,861.43	62.46	30.800		
9,900.00	7,950.00	7,523.49	7,399.92	68.04	34.65	-51.27	-739.07	-1,019.42	2,013.26	1,950.89	62.37	32.279		
10,000.00	7,950.00	7,513.79	7,390.58	70.55	34.64	-50.77	-738.21	-1,021.92	2,103.46	2,041.17	62.29	33.771		
10,100.00	7,950.00	7,488.00	7,365.66	73.08	34.61	-49.45	-735.81	-1,028.12	2,194.58	2,132.54	62.03	35.377		
10,200.00	7,950.00	7,488.00	7,365.66	75.61	34.61	-49.45	-735.81	-1,028.12	2,286.04	2,223.99	62.05	36.841		
10,300.00	7,950.00	7,488.00	7,365.66	78.16	34.61	-49.45	-735.81	-1,028.12	2,378.20	2,316.14	62.06	38.318		
10,400.00	7,950.00	7,488.00	7,365.66	80.71	34.61	-49.45	-735.81	-1,028.12	2,470.97	2,408.89	62.07	39.807		
10,500.00	7,950.00	7,488.00	7,365.66	83.28	34.61	-49.45	-735.81	-1,028.12	2,564.28	2,502.20	62.08	41.306		
10,600.00	7,950.00	7,488.00	7,365.66	85.85	34.61	-49.45	-735.81	-1,028.12	2,658.07	2,595.99	62.09	42.813		
10,700.00	7,950.00	7,488.00	7,365.66	88.43	34.61	-49.45	-735.81	-1,028.12	2,752.31	2,690.22	62.09	44.328		
10,800.00	7,950.00	7,488.00	7,365.66	91.01	34.61	-49.45	-735.81	-1,028.12	2,846.93	2,784.84	62.09	45.850		
10,900.00	7,950.00	7,488.00	7,365.66	93.60	34.61	-49.45	-735.81	-1,028.12	2,941.92	2,879.82	62.10	47.376		
11,000.00	7,950.00	7,488.00	7,365.66	96.20	34.61	-49.45	-735.81	-1,028.12	3,037.22	2,975.12	62.10	48.908		

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

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
11,100.00	7,950.00	7,488.00	7,365.66	98.80	34.61	-49.45	-735.81	-1,028.12	3,132.82	3,070.71	62.11	50.443		
11,200.00	7,950.00	7,451.94	7,330.54	101.41	34.54	-47.65	-732.14	-1,035.37	3,227.54	3,165.73	61.82	52.212		
11,300.00	7,950.00	7,448.95	7,327.61	104.02	34.54	-47.50	-731.83	-1,035.89	3,323.46	3,261.65	61.80	53.773		
11,400.00	7,950.00	7,446.11	7,324.83	106.63	34.53	-47.36	-731.52	-1,036.36	3,419.59	3,357.80	61.80	55.337		
11,500.00	7,950.00	7,443.41	7,322.18	109.25	34.53	-47.23	-731.23	-1,036.80	3,515.93	3,454.14	61.79	56.902		
11,600.00	7,950.00	7,440.84	7,319.66	111.88	34.52	-47.11	-730.96	-1,037.21	3,612.45	3,550.67	61.79	58.468		
11,700.00	7,950.00	7,438.40	7,317.25	114.50	34.52	-46.99	-730.69	-1,037.59	3,709.15	3,647.37	61.78	60.034		
11,800.00	7,950.00	7,436.06	7,314.96	117.13	34.51	-46.87	-730.44	-1,037.95	3,806.01	3,744.22	61.79	61.600		
11,900.00	7,950.00	7,399.00	7,278.42	119.76	34.45	-45.11	-726.25	-1,042.46	3,904.06	3,842.55	61.52	63.464		
12,000.00	7,950.00	7,399.00	7,278.42	122.39	34.45	-45.11	-726.25	-1,042.46	4,001.08	3,939.54	61.54	65.013		
12,100.00	7,950.00	7,399.00	7,278.42	125.03	34.45	-45.11	-726.25	-1,042.46	4,098.25	4,036.68	61.57	66.563		
12,200.00	7,950.00	7,399.00	7,278.42	127.67	34.45	-45.11	-726.25	-1,042.46	4,195.55	4,133.95	61.60	68.112		
12,300.00	7,950.00	7,399.00	7,278.42	130.31	34.45	-45.11	-726.25	-1,042.46	4,292.97	4,231.34	61.63	69.661		
12,400.00	7,950.00	7,399.00	7,278.42	132.95	34.45	-45.11	-726.25	-1,042.46	4,390.51	4,328.85	61.66	71.209		
12,500.00	7,950.00	7,399.00	7,278.42	135.60	34.45	-45.11	-726.25	-1,042.46	4,488.15	4,426.47	61.69	72.756		
12,600.00	7,950.00	7,399.00	7,278.42	138.24	34.45	-45.11	-726.25	-1,042.46	4,585.90	4,524.18	61.72	74.302		
12,700.00	7,950.00	7,399.00	7,278.42	140.89	34.45	-45.11	-726.25	-1,042.46	4,683.74	4,621.99	61.75	75.847		
12,800.00	7,950.00	7,399.00	7,278.42	143.54	34.45	-45.11	-726.25	-1,042.46	4,781.68	4,719.89	61.79	77.390		
12,900.00	7,950.00	7,399.00	7,278.42	146.19	34.45	-45.11	-726.25	-1,042.46	4,879.69	4,817.87	61.82	78.932		
13,000.00	7,950.00	7,399.00	7,278.42	148.84	34.45	-45.11	-726.25	-1,042.46	4,977.79	4,915.93	61.86	80.471		
13,100.00	7,950.00	7,399.00	7,278.42	151.50	34.45	-45.11	-726.25	-1,042.46	5,075.96	5,014.06	61.90	82.009		
13,200.00	7,950.00	7,399.00	7,278.42	154.15	34.45	-45.11	-726.25	-1,042.46	5,174.20	5,112.26	61.93	83.544		
13,300.00	7,950.00	7,399.00	7,278.42	156.81	34.45	-45.11	-726.25	-1,042.46	5,272.50	5,210.53	61.97	85.077		
13,400.00	7,950.00	7,399.00	7,278.42	159.47	34.45	-45.11	-726.25	-1,042.46	5,370.87	5,308.86	62.01	86.607		
13,500.00	7,950.00	7,399.00	7,278.42	162.13	34.45	-45.11	-726.25	-1,042.46	5,469.30	5,407.24	62.06	88.135		
13,600.00	7,950.00	7,399.00	7,278.42	164.79	34.45	-45.11	-726.25	-1,042.46	5,567.78	5,505.68	62.10	89.661		
13,700.00	7,950.00	7,399.00	7,278.42	167.45	34.45	-45.11	-726.25	-1,042.46	5,666.32	5,604.18	62.14	91.183		
13,800.00	7,950.00	7,399.00	7,278.42	170.11	34.45	-45.11	-726.25	-1,042.46	5,764.91	5,702.72	62.19	92.703		
13,900.00	7,950.00	7,399.00	7,278.42	172.77	34.45	-45.11	-726.25	-1,042.46	5,863.54	5,801.31	62.23	94.219		
14,000.00	7,950.00	7,399.00	7,278.42	175.44	34.45	-45.11	-726.25	-1,042.46	5,962.22	5,899.94	62.28	95.733		
14,100.00	7,950.00	7,399.00	7,278.42	178.10	34.45	-45.11	-726.25	-1,042.46	6,060.94	5,998.62	62.33	97.243		
14,200.00	7,950.00	7,399.00	7,278.42	180.77	34.45	-45.11	-726.25	-1,042.46	6,159.71	6,097.33	62.38	98.750		
14,300.00	7,950.00	7,399.00	7,278.42	183.43	34.45	-45.11	-726.25	-1,042.46	6,258.51	6,196.09	62.43	100.254		
14,400.00	7,950.00	7,399.00	7,278.42	186.10	34.45	-45.11	-726.25	-1,042.46	6,357.35	6,294.88	62.48	101.754		
14,500.00	7,950.00	7,399.00	7,278.42	188.77	34.45	-45.11	-726.25	-1,042.46	6,456.23	6,393.70	62.53	103.251		
14,600.00	7,950.00	7,399.00	7,278.42	191.43	34.45	-45.11	-726.25	-1,042.46	6,555.14	6,492.56	62.58	104.744		
14,700.00	7,950.00	7,399.00	7,278.42	194.10	34.45	-45.11	-726.25	-1,042.46	6,654.09	6,591.45	62.64	106.233		
14,800.00	7,950.00	7,399.00	7,278.42	196.77	34.45	-45.11	-726.25	-1,042.46	6,753.06	6,690.37	62.69	107.719		
14,900.00	7,950.00	7,399.00	7,278.42	199.44	34.45	-45.11	-726.25	-1,042.46	6,852.07	6,789.32	62.75	109.201		
15,000.00	7,950.00	7,399.00	7,278.42	202.11	34.45	-45.11	-726.25	-1,042.46	6,951.10	6,888.30	62.80	110.679		
15,100.00	7,950.00	7,399.00	7,278.42	204.78	34.45	-45.11	-726.25	-1,042.46	7,050.16	6,987.30	62.86	112.154		
15,200.00	7,950.00	7,399.00	7,278.42	207.45	34.45	-45.11	-726.25	-1,042.46	7,149.25	7,086.33	62.92	113.624		
15,300.00	7,950.00	7,399.00	7,278.42	210.13	34.45	-45.11	-726.25	-1,042.46	7,248.36	7,185.38	62.98	115.090		
15,400.00	7,950.00	7,399.00	7,278.42	212.80	34.45	-45.11	-726.25	-1,042.46	7,347.49	7,284.45	63.04	116.553		
15,500.00	7,950.00	7,399.00	7,278.42	215.47	34.45	-45.11	-726.25	-1,042.46	7,446.65	7,383.55	63.10	118.011		
15,600.00	7,950.00	7,399.00	7,278.42	218.15	34.45	-45.11	-726.25	-1,042.46	7,545.83	7,482.67	63.16	119.465		
15,700.00	7,950.00	7,399.00	7,278.42	220.82	34.45	-45.11	-726.25	-1,042.46	7,645.04	7,581.81	63.23	120.915		
15,800.00	7,950.00	7,399.00	7,278.42	223.49	34.45	-45.11	-726.25	-1,042.46	7,744.26	7,680.97	63.29	122.361		
15,900.00	7,950.00	7,399.00	7,278.42	226.17	34.45	-45.11	-726.25	-1,042.46	7,843.50	7,780.15	63.36	123.802		
16,000.00	7,950.00	7,399.00	7,278.42	228.84	34.45	-45.11	-726.25	-1,042.46	7,942.76	7,879.34	63.42	125.239		
16,100.00	7,950.00	7,399.00	7,278.42	231.52	34.45	-45.11	-726.25	-1,042.46	8,042.04	7,978.56	63.49	126.672		
16,200.00	7,950.00	7,399.00	7,278.42	234.20	34.45	-45.11	-726.25	-1,042.46	8,141.34	8,077.79	63.55	128.100		

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

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	
16,300.00	7,950.00	7,399.00	7,278.42	236.87	34.45	-45.11	-726.25	-1,042.46	8,240.65	8,177.03	63.62	129.524	
16,400.00	7,950.00	7,399.00	7,278.42	239.55	34.45	-45.11	-726.25	-1,042.46	8,339.99	8,276.29	63.69	130.944	
16,500.00	7,950.00	7,399.00	7,278.42	242.22	34.45	-45.11	-726.25	-1,042.46	8,439.33	8,375.57	63.76	132.359	
16,600.00	7,950.00	7,399.00	7,278.42	244.90	34.45	-45.11	-726.25	-1,042.46	8,538.69	8,474.86	63.83	133.769	
16,700.00	7,950.00	7,399.00	7,278.42	247.58	34.45	-45.11	-726.25	-1,042.46	8,638.07	8,574.17	63.90	135.175	
16,800.00	7,950.00	7,399.00	7,278.42	250.26	34.45	-45.11	-726.25	-1,042.46	8,737.46	8,673.49	63.97	136.577	
16,900.00	7,950.00	7,399.00	7,278.42	252.94	34.45	-45.11	-726.25	-1,042.46	8,836.87	8,772.82	64.05	137.974	
17,000.00	7,950.00	7,399.00	7,278.42	255.61	34.45	-45.11	-726.25	-1,042.46	8,936.28	8,872.16	64.12	139.366	
17,100.00	7,950.00	7,399.00	7,278.42	258.29	34.45	-45.11	-726.25	-1,042.46	9,035.72	8,971.52	64.20	140.754	
17,200.00	7,950.00	7,399.00	7,278.42	260.97	34.45	-45.11	-726.25	-1,042.46	9,135.16	9,070.89	64.27	142.137	
17,300.00	7,950.00	7,399.00	7,278.42	263.65	34.45	-45.11	-726.25	-1,042.46	9,234.61	9,170.27	64.35	143.515	
17,400.00	7,950.00	7,399.00	7,278.42	266.33	34.45	-45.11	-726.25	-1,042.46	9,334.08	9,269.66	64.42	144.889	
17,500.00	7,950.00	7,399.00	7,278.42	269.01	34.45	-45.11	-726.25	-1,042.46	9,433.56	9,369.06	64.50	146.258	
17,600.00	7,950.00	7,399.00	7,278.42	271.69	34.45	-45.11	-726.25	-1,042.46	9,533.05	9,468.47	64.58	147.622	
17,700.00	7,950.00	7,399.00	7,278.42	274.37	34.45	-45.11	-726.25	-1,042.46	9,632.55	9,567.89	64.66	148.981	
17,800.00	7,950.00	7,399.00	7,278.42	277.05	34.45	-45.11	-726.25	-1,042.46	9,732.06	9,667.32	64.74	150.336	
17,900.00	7,950.00	7,399.00	7,278.42	279.73	34.45	-45.11	-726.25	-1,042.46	9,831.58	9,766.76	64.82	151.686	
18,000.00	7,950.00	7,399.00	7,278.42	282.41	34.45	-45.11	-726.25	-1,042.46	9,931.11	9,866.21	64.90	153.031	

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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
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	
0.00	0.00	0.00	0.00	0.00	0.00	-173.05	-2,994.26	-364.75	3,016.68					
29.48	29.48	0.00	0.00	0.01	0.00	24.75	-2,994.26	-364.75	3,016.39					
60.08	60.08	41.30	41.30	0.12	0.06	-23.95	-2,994.09	-364.87	3,016.12	3,015.95	0.18	N/A		
90.68	90.68	109.06	109.05	0.23	0.16	-30.61	-2,993.07	-365.57	3,015.45	3,015.07	0.38	7,896.918		
121.28	121.28	138.88	138.86	0.34	0.30	-29.62	-2,992.46	-365.91	3,014.66	3,014.02	0.64	4,730.618		
151.88	151.88	194.25	194.20	0.45	0.50	-4.22	-2,991.07	-366.66	3,013.75	3,012.80	0.95	3,181.084		
182.48	182.47	235.48	235.41	0.56	0.64	-39.29	-2,989.77	-367.32	3,012.60	3,011.39	1.21	2,498.639		
213.08	213.07	272.83	272.73	0.67	0.78	-40.60	-2,988.48	-367.82	3,011.27	3,009.82	1.45	2,076.933		
243.68	243.67	295.24	295.13	0.78	0.86	-39.55	-2,987.71	-368.10	3,009.91	3,008.28	1.64	1,836.979		
286.38	286.36	327.64	327.51	0.93	0.98	-54.16	-2,986.74	-368.37	3,008.16	3,006.25	1.91	1,578.404		
329.08	329.05	364.67	364.53	1.08	1.11	-61.28	-2,985.74	-368.50	3,006.50	3,004.31	2.19	1,372.834		
371.78	371.73	408.55	408.39	1.24	1.27	-66.80	-2,984.59	-368.52	3,004.86	3,002.36	2.50	1,202.400		
414.48	414.41	452.24	452.07	1.39	1.42	-79.19	-2,983.45	-368.58	3,003.34	3,000.54	2.81	1,069.869		
457.18	457.07	511.14	510.94	1.54	1.64	-90.71	-2,981.72	-368.70	3,001.99	2,998.82	3.17	947.016		
499.88	499.73	560.80	560.58	1.70	1.81	-91.68	-2,980.06	-368.60	3,000.59	2,997.09	3.50	857.322		
542.58	542.37	617.67	617.41	1.85	2.02	-91.18	-2,978.01	-368.53	2,999.12	2,995.26	3.86	777.490		
585.28	584.99	682.97	682.64	2.00	2.26	-93.43	-2,975.21	-368.18	2,997.36	2,993.11	4.25	705.985		
627.98	627.61	734.96	734.58	2.16	2.44	-91.61	-2,972.79	-367.36	2,995.42	2,990.83	4.59	653.109		
670.68	670.24	829.67	829.11	2.31	2.79	-84.67	-2,967.38	-365.48	2,992.78	2,987.70	5.08	589.067		
713.38	712.89	858.55	857.93	2.47	2.89	-83.86	-2,965.55	-365.06	2,989.82	2,984.48	5.34	559.885		
756.08	755.57	895.94	895.25	2.62	3.03	-89.14	-2,963.31	-364.66	2,987.12	2,981.49	5.63	530.723		
798.78	798.26	925.19	924.45	2.78	3.14	-95.20	-2,961.57	-364.42	2,984.61	2,978.72	5.89	507.075		
841.48	840.95	944.83	944.06	2.93	3.21	-123.31	-2,960.55	-364.33	2,982.51	2,976.40	6.11	488.297		
884.18	883.65	956.32	955.54	3.08	3.25	-112.93	-2,960.02	-364.31	2,980.77	2,974.47	6.30	473.104		
926.88	926.35	985.31	984.51	3.23	3.36	-105.53	-2,958.89	-364.32	2,979.23	2,972.68	6.56	454.438		
969.58	969.05	998.98	998.17	3.38	3.41	-65.72	-2,958.46	-364.36	2,977.96	2,971.20	6.76	440.715		
1,012.28	1,011.75	1,026.18	1,025.36	3.53	3.50	-122.94	-2,957.80	-364.47	2,977.04	2,970.04	7.01	424.940		
1,054.98	1,054.45	1,041.64	1,040.82	3.68	3.56	-97.23	-2,957.55	-364.53	2,976.55	2,969.34	7.21	412.701		
1,097.68	1,097.15	1,071.71	1,070.89	3.84	3.66	-44.35	-2,957.26	-364.69	2,976.08	2,968.61	7.47	398.403		
1,140.38	1,139.85	1,113.08	1,112.25	3.99	3.81	-86.27	-2,957.09	-364.96	2,975.79	2,968.02	7.77	383.098		
1,183.08	1,182.55	1,163.20	1,162.38	4.14	3.99	-90.82	-2,956.77	-365.06	2,975.51	2,967.41	8.10	367.396		
1,225.78	1,225.24	1,206.58	1,205.75	4.29	4.14	-83.51	-2,956.44	-365.13	2,975.18	2,966.77	8.41	353.903		
1,268.48	1,267.94	1,262.33	1,261.50	4.44	4.34	145.63	-2,955.88	-365.44	2,974.94	2,966.18	8.75	339.890		
1,281.30	1,280.76	1,266.82	1,265.99	4.48	4.35	151.06	-2,955.84	-365.47	2,974.92	2,966.11	8.81	337.647		
1,311.18	1,310.64	1,286.25	1,285.42	4.58	4.42	161.19	-2,955.68	-365.65	2,975.01	2,966.03	8.98	331.348		
1,353.88	1,353.34	1,348.30	1,347.46	4.72	4.64	149.22	-2,955.20	-365.96	2,975.23	2,965.89	9.34	318.501		
1,354.24	1,353.70	1,349.02	1,348.18	4.72	4.64	149.22	-2,955.19	-365.96	2,975.23	2,965.88	9.35	318.372		
1,396.58	1,396.03	1,378.23	1,377.40	4.87	4.75	166.86	-2,954.94	-365.97	2,975.49	2,965.90	9.59	310.206		
1,439.28	1,438.72	1,415.19	1,414.35	5.01	4.88	144.34	-2,954.70	-365.93	2,975.92	2,966.05	9.87	301.582		
1,481.98	1,481.42	1,456.07	1,455.23	5.15	5.02	159.00	-2,954.49	-365.88	2,976.29	2,966.13	10.16	293.028		
1,524.68	1,524.11	1,494.05	1,493.21	5.30	5.16	148.99	-2,954.33	-365.76	2,976.65	2,966.22	10.44	285.222		
1,567.38	1,566.81	1,559.87	1,559.03	5.44	5.39	164.87	-2,953.91	-365.60	2,976.95	2,966.14	10.82	275.231		
1,610.08	1,609.51	1,594.28	1,593.44	5.59	5.51	142.57	-2,953.58	-365.46	2,977.03	2,965.94	11.08	268.580		
1,652.78	1,652.20	1,667.72	1,666.87	5.73	5.78	111.22	-2,952.48	-365.33	2,976.66	2,965.17	11.49	259.037		
1,695.48	1,694.90	1,712.13	1,711.27	5.88	5.94	116.85	-2,951.62	-365.34	2,976.03	2,964.24	11.79	252.326		
1,738.18	1,737.60	1,757.43	1,756.56	6.02	6.10	115.75	-2,950.71	-365.37	2,975.36	2,963.26	12.10	245.870		
1,780.88	1,780.30	1,800.45	1,799.57	6.17	6.25	88.86	-2,949.82	-365.38	2,974.56	2,962.16	12.40	239.880		
1,823.58	1,823.00	1,838.52	1,837.63	6.31	6.39	93.66	-2,949.07	-365.33	2,973.72	2,961.04	12.68	234.496		
1,866.28	1,865.69	1,888.02	1,887.12	6.46	6.57	94.43	-2,948.13	-365.17	2,972.93	2,959.93	13.00	228.627		
1,908.98	1,908.39	1,925.18	1,924.28	6.60	6.70	103.58	-2,947.37	-365.02	2,972.14	2,958.85	13.28	223.772		
1,951.68	1,951.09	1,961.69	1,960.78	6.75	6.83	96.47	-2,946.73	-364.85	2,971.46	2,957.90	13.56	219.163		
1,994.38	1,993.78	1,994.08	1,993.16	6.89	6.94	101.76	-2,946.24	-364.50	2,970.87	2,957.05	13.82	214.984		

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



# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
2,037.08	2,036.48	2,022.82	2,021.90	7.04	7.05	97.86	-2,945.97	-364.08	2,970.51	2,956.44	14.07	211.182		
2,079.78	2,079.17	2,051.74	2,050.82	7.19	7.14	81.23	-2,945.84	-363.62	2,970.24	2,955.93	14.31	207.536		
2,111.13	2,110.52	2,076.73	2,075.81	7.29	7.23	98.47	-2,945.81	-363.25	2,970.14	2,955.64	14.51	204.763		
2,122.48	2,121.87	2,087.26	2,086.33	7.33	7.27	103.70	-2,945.80	-363.11	2,970.15	2,955.57	14.58	203.710		
2,177.48	2,176.86	2,142.77	2,141.84	7.43	7.46	103.70	-2,945.78	-362.49	2,970.27	2,955.40	14.87	199.805		
2,200.00	2,199.38	2,167.08	2,166.14	7.43	7.54	106.13	-2,945.76	-362.17	2,970.28	2,955.33	14.95	198.667		
2,300.00	2,299.37	2,282.90	2,281.97	7.45	7.94	-80.50	-2,945.17	-361.98	2,969.67	2,954.29	15.37	193.186		
2,400.00	2,399.27	2,585.13	2,583.55	7.48	9.02	-79.68	-2,932.97	-374.51	2,966.74	2,950.28	16.45	180.299		
2,500.00	2,498.95	2,781.02	2,777.39	7.54	9.76	-79.54	-2,911.89	-393.15	2,955.36	2,938.16	17.19	171.875		
2,599.85	2,598.15	2,965.65	2,958.81	7.62	10.49	-79.61	-2,886.33	-415.74	2,940.88	2,922.95	17.93	164.021		
2,700.00	2,697.44	3,092.32	3,082.43	7.72	11.01	-79.51	-2,865.92	-434.38	2,924.08	2,905.57	18.51	157.956		
2,800.00	2,796.58	3,191.40	3,179.04	7.85	11.43	-79.44	-2,849.69	-449.18	2,907.10	2,888.07	19.03	152.761		
2,900.00	2,895.72	3,297.10	3,282.14	7.99	11.89	-79.36	-2,832.05	-464.44	2,889.76	2,870.16	19.60	147.473		
3,000.00	2,994.86	3,438.95	3,420.40	8.16	12.51	-79.26	-2,807.70	-484.74	2,872.07	2,851.76	20.31	141.434		
3,100.00	3,094.00	3,498.89	3,478.79	8.34	12.78	-79.21	-2,797.32	-493.44	2,854.05	2,833.28	20.76	137.466		
3,200.00	3,193.14	3,609.04	3,586.16	8.54	13.28	-79.13	-2,778.47	-509.20	2,836.28	2,814.87	21.41	132.482		
3,300.00	3,292.28	3,742.87	3,716.47	8.76	13.90	-79.03	-2,754.87	-528.55	2,818.13	2,795.97	22.16	127.183		
3,400.00	3,391.42	3,828.65	3,799.77	8.99	14.30	-78.94	-2,739.11	-541.61	2,799.25	2,776.49	22.76	122.977		
3,500.00	3,490.56	3,933.11	3,901.22	9.23	14.80	-78.84	-2,719.95	-557.48	2,780.40	2,756.95	23.45	118.573		
3,600.00	3,589.70	4,022.92	3,988.50	9.49	15.23	-78.75	-2,703.61	-570.91	2,761.67	2,737.57	24.10	114.605		
3,700.00	3,688.84	4,120.29	4,083.13	9.76	15.70	-78.66	-2,685.98	-585.56	2,743.05	2,718.27	24.79	110.665		
3,800.00	3,787.98	4,213.54	4,173.78	10.04	16.15	-78.57	-2,669.22	-599.63	2,724.58	2,699.10	25.47	106.954		
3,900.00	3,887.12	4,302.05	4,259.99	10.33	16.57	-78.50	-2,653.58	-612.17	2,706.30	2,680.15	26.15	103.482		
4,000.00	3,986.26	4,397.34	4,352.94	10.62	17.03	-78.43	-2,637.29	-625.42	2,688.56	2,661.70	26.86	100.082		
4,100.00	4,085.40	4,511.32	4,463.79	10.93	17.59	-78.31	-2,616.90	-642.37	2,670.13	2,642.47	27.66	96.547		
4,200.00	4,184.54	4,613.15	4,562.83	11.24	18.09	-78.21	-2,598.58	-657.40	2,651.62	2,623.21	28.42	93.316		
4,300.00	4,283.68	4,710.45	4,657.43	11.56	18.57	-78.12	-2,580.95	-671.77	2,633.00	2,603.84	29.17	90.273		
4,400.00	4,382.82	4,808.02	4,752.33	11.89	19.06	-78.02	-2,563.34	-686.10	2,614.45	2,584.52	29.93	87.359		
4,500.00	4,481.97	4,900.62	4,842.41	12.22	19.52	-77.93	-2,546.74	-699.65	2,596.01	2,565.33	30.68	84.624		
4,600.00	4,581.11	4,992.40	4,931.69	12.56	19.98	-77.83	-2,530.46	-713.31	2,577.80	2,546.36	31.43	82.012		
4,700.00	4,680.25	5,076.58	5,013.54	12.90	20.40	-77.73	-2,515.79	-726.43	2,560.00	2,527.83	32.17	79.580		
4,800.00	4,779.39	5,175.61	5,109.82	13.25	20.90	-77.61	-2,498.74	-742.12	2,542.45	2,509.48	32.97	77.119		
4,900.00	4,878.53	5,269.92	5,201.56	13.60	21.37	-77.49	-2,482.62	-756.94	2,525.01	2,491.26	33.75	74.805		
5,000.00	4,977.67	5,373.18	5,301.99	13.96	21.90	-77.36	-2,464.95	-773.15	2,507.58	2,473.00	34.58	72.517		
5,100.00	5,076.81	5,476.01	5,401.89	14.32	22.42	-77.21	-2,447.02	-789.64	2,489.88	2,454.47	35.41	70.315		
5,200.00	5,175.95	5,579.05	5,501.92	14.68	22.95	-77.06	-2,428.94	-806.49	2,472.13	2,435.88	36.25	68.197		
5,300.00	5,275.09	5,663.28	5,583.70	15.05	23.38	-76.94	-2,414.14	-820.23	2,454.38	2,417.36	37.02	66.292		
5,400.00	5,374.23	5,751.76	5,669.87	15.42	23.83	-76.82	-2,399.40	-833.85	2,437.39	2,399.58	37.81	64.461		
5,500.00	5,473.37	5,844.64	5,760.36	15.79	24.30	-76.71	-2,384.05	-848.13	2,420.54	2,381.92	38.62	62.680		
5,600.00	5,572.51	5,937.17	5,850.55	16.16	24.76	-76.59	-2,369.06	-862.34	2,404.01	2,364.59	39.42	60.978		
5,700.00	5,671.65	6,035.59	5,946.56	16.54	25.26	-76.47	-2,353.28	-877.14	2,387.62	2,347.37	40.25	59.315		
5,800.00	5,770.79	6,117.52	6,026.57	16.92	25.66	-76.38	-2,340.39	-889.20	2,371.49	2,330.47	41.02	57.811		
5,900.00	5,869.93	6,251.41	6,157.26	17.30	26.33	-76.23	-2,319.11	-909.01	2,355.27	2,313.29	41.98	56.105		
6,000.00	5,969.07	6,348.24	6,251.44	17.68	26.83	-76.08	-2,302.71	-924.37	2,338.14	2,295.32	42.82	54.603		
6,100.00	6,068.21	6,451.28	6,351.66	18.07	27.36	-75.93	-2,285.22	-940.72	2,321.01	2,277.32	43.69	53.128		
6,200.00	6,167.35	6,554.89	6,452.42	18.45	27.89	-75.77	-2,267.33	-956.98	2,303.56	2,259.01	44.56	51.700		
6,300.00	6,266.49	6,668.00	6,562.44	18.84	28.48	-75.61	-2,247.56	-974.23	2,285.87	2,240.41	45.46	50.287		
6,400.00	6,365.63	6,749.22	6,641.45	19.23	28.90	-75.49	-2,233.27	-986.50	2,268.06	2,221.81	46.25	49.037		
6,500.00	6,464.77	6,845.82	6,735.48	19.62	29.39	-75.35	-2,216.83	-1,001.27	2,250.83	2,203.73	47.10	47.788		
6,600.00	6,563.91	6,939.38	6,826.59	20.01	29.87	-75.22	-2,200.96	-1,015.44	2,233.65	2,185.71	47.94	46.592		
6,700.00	6,663.05	7,065.07	6,948.94	20.40	30.52	-75.04	-2,178.98	-1,034.06	2,215.89	2,167.01	48.88	45.330		
6,800.00	6,762.19	7,142.99	7,142.99	20.80	29.40	-74.95	-2,141.40	-1,055.43	2,196.67	2,148.55	48.12	45.653		

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



# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
6,900.00	6,861.33	7,379.39	7,255.64	21.19	31.96	-75.31	-2,118.14	-1,051.68	2,172.62	2,121.98	50.64	42.904		
7,000.00	6,960.47	7,601.76	7,465.37	21.59	32.47	-77.51	-2,082.53	-990.99	2,148.79	2,097.80	50.98	42.147		
7,100.00	7,059.61	7,674.20	7,528.41	21.99	32.56	-78.63	-2,072.03	-956.94	2,121.17	2,069.63	51.53	41.160		
7,200.00	7,158.75	7,200.00	7,758.37	22.38	33.19	-85.77	-2,029.40	-730.99	2,091.61	2,042.40	49.20	42.511		
7,300.00	7,257.89	8,014.00	7,764.27	22.78	32.68	-86.05	-2,027.90	-722.07	2,061.75	2,009.19	52.56	39.227		
7,400.00	7,357.03	8,043.82	7,778.58	23.18	32.67	-86.85	-2,024.46	-696.13	2,035.66	1,982.33	53.33	38.170		
7,495.63	7,451.84	8,054.08	7,783.30	23.57	32.67	-87.13	-2,023.54	-687.07	2,015.11	1,961.14	53.97	37.336		
7,500.00	7,456.17	8,054.53	7,783.50	23.58	32.67	-87.45	-2,023.50	-686.67	2,014.27	1,960.27	54.00	37.302		
7,550.00	7,505.33	8,058.89	7,785.47	23.81	32.67	-89.97	-2,023.16	-682.80	2,005.37	1,951.05	54.32	36.919		
7,600.00	7,553.51	8,061.83	7,786.79	24.06	32.66	-91.48	-2,022.94	-680.18	1,997.84	1,943.20	54.64	36.562		
7,650.00	7,600.34	8,063.41	7,787.50	24.36	32.66	-92.50	-2,022.83	-678.77	1,991.77	1,936.80	54.97	36.233		
7,700.00	7,645.48	8,063.68	7,787.62	24.70	32.66	-93.20	-2,022.81	-678.53	1,987.23	1,931.93	55.30	35.933		
7,750.00	7,688.57	8,062.70	7,787.18	25.07	32.66	-93.63	-2,022.88	-679.40	1,984.28	1,928.63	55.65	35.659		
7,800.00	7,729.30	8,060.55	7,786.22	25.49	32.66	-93.81	-2,023.03	-681.33	1,982.92	1,926.92	56.00	35.411		
7,817.23	7,742.72	8,059.54	7,785.77	25.64	32.67	-93.83	-2,023.11	-682.22	1,982.82	1,926.70	56.13	35.327 CC, ES		
7,850.00	7,767.34	8,057.28	7,784.75	25.94	32.67	-93.78	-2,023.28	-684.23	1,983.17	1,926.80	56.36	35.185		
7,900.00	7,802.41	8,052.98	7,782.80	26.45	32.67	-93.55	-2,023.63	-688.04	1,984.99	1,928.24	56.75	34.977		
7,950.00	7,834.25	8,047.73	7,780.39	27.00	32.67	-93.12	-2,024.09	-692.69	1,988.36	1,931.20	57.16	34.785		
8,000.00	7,862.60	8,014.00	7,764.27	27.59	32.68	-91.83	-2,027.90	-722.07	1,993.92	1,936.45	57.47	34.692		
8,050.00	7,887.26	8,014.00	7,764.27	28.24	32.68	-91.26	-2,027.90	-722.07	1,999.84	1,941.87	57.97	34.495		
8,100.00	7,908.04	8,014.00	7,764.27	28.94	32.68	-90.55	-2,027.90	-722.07	2,007.13	1,948.62	58.51	34.303		
8,150.00	7,924.78	8,014.00	7,764.27	29.68	32.68	-89.69	-2,027.90	-722.07	2,015.72	1,956.63	59.09	34.114		
8,200.00	7,937.35	8,014.00	7,764.27	30.46	32.68	-88.71	-2,027.90	-722.07	2,025.52	1,965.82	59.70	33.929		
8,250.00	7,945.65	7,981.07	7,747.37	31.28	32.68	-87.02	-2,032.39	-749.97	2,036.00	1,975.78	60.22	33.810		
8,300.00	7,949.63	7,958.13	7,734.85	32.12	32.69	-85.49	-2,035.57	-768.93	2,047.09	1,986.29	60.80	33.671		
8,320.64	7,950.00	7,948.55	7,729.45	32.47	32.69	-84.85	-2,036.92	-776.72	2,051.80	1,990.76	61.04	33.614		
8,400.00	7,950.00	7,924.00	7,715.13	33.88	32.69	-84.45	-2,040.39	-796.35	2,070.96	2,008.91	62.04	33.379		
8,500.00	7,950.00	7,873.38	7,682.98	35.75	32.68	-83.56	-2,047.54	-834.78	2,097.62	2,034.31	63.31	33.131		
8,600.00	7,950.00	7,835.00	7,656.17	37.73	32.67	-82.82	-2,052.85	-861.70	2,127.43	2,062.81	64.63	32.919		
8,700.00	7,950.00	7,789.12	7,621.90	39.79	32.65	-81.89	-2,058.75	-891.62	2,160.16	2,094.24	65.93	32.767		
8,800.00	7,950.00	7,746.00	7,587.92	41.92	32.63	-80.96	-2,063.59	-917.70	2,195.59	2,128.39	67.20	32.672		
8,900.00	7,950.00	7,746.00	7,587.92	44.11	32.63	-80.96	-2,063.59	-917.70	2,234.39	2,165.78	68.61	32.567 SF		
9,000.00	7,950.00	7,705.53	7,554.75	46.36	32.59	-80.07	-2,068.11	-940.44	2,275.88	2,206.05	69.83	32.591		
9,100.00	7,950.00	7,687.54	7,539.69	48.65	32.57	-79.66	-2,070.32	-950.03	2,320.77	2,249.69	71.08	32.648		
9,200.00	7,950.00	7,657.00	7,513.71	50.98	32.55	-78.97	-2,074.33	-965.58	2,368.77	2,296.54	72.24	32.792		
9,300.00	7,950.00	7,657.00	7,513.71	53.34	32.55	-78.97	-2,074.33	-965.58	2,419.38	2,345.94	73.44	32.942		
9,400.00	7,950.00	7,657.00	7,513.71	55.74	32.55	-78.97	-2,074.33	-965.58	2,473.00	2,398.41	74.59	33.156		
9,500.00	7,950.00	7,657.00	7,513.71	58.16	32.55	-78.97	-2,074.33	-965.58	2,529.43	2,453.77	75.67	33.429		
9,600.00	7,950.00	7,618.23	7,479.96	60.60	32.49	-78.09	-2,079.95	-983.81	2,587.34	2,510.77	76.57	33.791		
9,700.00	7,950.00	7,607.39	7,470.38	63.06	32.48	-77.84	-2,081.63	-988.57	2,648.11	2,570.61	77.50	34.170		
9,800.00	7,950.00	7,568.00	7,435.01	65.54	32.42	-76.93	-2,088.15	-1,004.64	2,711.71	2,633.43	78.28	34.641		
9,900.00	7,950.00	7,568.00	7,435.01	68.04	32.42	-76.93	-2,088.15	-1,004.64	2,776.31	2,697.17	79.14	35.082		
10,000.00	7,950.00	7,568.00	7,435.01	70.55	32.42	-76.93	-2,088.15	-1,004.64	2,842.95	2,763.01	79.94	35.564		
10,100.00	7,950.00	7,568.00	7,435.01	73.08	32.42	-76.93	-2,088.15	-1,004.64	2,911.51	2,830.82	80.69	36.085		
10,200.00	7,950.00	7,568.00	7,435.01	75.61	32.42	-76.93	-2,088.15	-1,004.64	2,981.84	2,900.46	81.38	36.640		
10,300.00	7,950.00	7,568.00	7,435.01	78.16	32.42	-76.93	-2,088.15	-1,004.64	3,053.83	2,971.80	82.03	37.227		
10,400.00	7,950.00	7,536.25	7,405.91	80.71	32.36	-76.19	-2,093.47	-1,016.18	3,126.82	3,044.25	82.57	37.869		
10,500.00	7,950.00	7,526.30	7,396.68	83.28	32.34	-75.96	-2,095.05	-1,019.54	3,201.38	3,118.27	83.12	38.517		
10,600.00	7,950.00	7,517.04	7,388.05	85.85	32.32	-75.74	-2,096.49	-1,022.55	3,277.20	3,193.57	83.63	39.187		
10,700.00	7,950.00	7,479.00	7,352.14	88.43	32.24	-74.84	-2,102.04	-1,033.80	3,354.68	3,270.66	84.02	39.927		
10,800.00	7,950.00	7,479.00	7,352.14	91.01	32.24	-74.84	-2,102.04	-1,033.80	3,432.57	3,348.08	84.50	40.624		
10,900.00	7,950.00	7,479.00	7,352.14	93.60	32.24	-74.84	-2,102.04	-1,033.80	3,511.59	3,426.64	84.94	41.342		

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

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	7,950.00	7,479.00	7,352.14	96.20	32.24	-74.84	-2,102.04	-1,033.80	3,591.64	3,506.29	85.36	42.079		
11,100.00	7,950.00	7,479.00	7,352.14	98.80	32.24	-74.84	-2,102.04	-1,033.80	3,672.68	3,586.93	85.74	42.834		
11,200.00	7,950.00	7,479.00	7,352.14	101.41	32.24	-74.84	-2,102.04	-1,033.80	3,754.63	3,668.52	86.11	43.605		
11,300.00	7,950.00	7,479.00	7,352.14	104.02	32.24	-74.84	-2,102.04	-1,033.80	3,837.43	3,750.99	86.45	44.392		
11,400.00	7,950.00	7,479.00	7,352.14	106.63	32.24	-74.84	-2,102.04	-1,033.80	3,921.04	3,834.28	86.76	45.192		
11,500.00	7,950.00	7,479.00	7,352.14	109.25	32.24	-74.84	-2,102.04	-1,033.80	4,005.40	3,918.34	87.06	46.006		
11,600.00	7,950.00	7,479.00	7,352.14	111.88	32.24	-74.84	-2,102.04	-1,033.80	4,090.46	4,003.12	87.34	46.833		
11,700.00	7,950.00	7,479.00	7,352.14	114.50	32.24	-74.84	-2,102.04	-1,033.80	4,176.19	4,088.58	87.60	47.671		
11,800.00	7,950.00	7,479.00	7,352.14	117.13	32.24	-74.84	-2,102.04	-1,033.80	4,262.53	4,174.68	87.85	48.519		
11,900.00	7,950.00	7,479.00	7,352.14	119.76	32.24	-74.84	-2,102.04	-1,033.80	4,349.47	4,261.38	88.09	49.378		
12,000.00	7,950.00	7,479.00	7,352.14	122.39	32.24	-74.84	-2,102.04	-1,033.80	4,436.95	4,348.64	88.31	50.245		
12,100.00	7,950.00	7,479.00	7,352.14	125.03	32.24	-74.84	-2,102.04	-1,033.80	4,524.95	4,436.44	88.51	51.122		
12,200.00	7,950.00	7,479.00	7,352.14	127.67	32.24	-74.84	-2,102.04	-1,033.80	4,613.44	4,524.73	88.71	52.006		
12,300.00	7,950.00	7,479.00	7,352.14	130.31	32.24	-74.84	-2,102.04	-1,033.80	4,702.39	4,613.50	88.89	52.898		
12,400.00	7,950.00	7,479.00	7,352.14	132.95	32.24	-74.84	-2,102.04	-1,033.80	4,791.78	4,702.71	89.07	53.797		
12,500.00	7,950.00	7,479.00	7,352.14	135.60	32.24	-74.84	-2,102.04	-1,033.80	4,881.58	4,792.34	89.24	54.703		
12,600.00	7,950.00	7,479.00	7,352.14	138.24	32.24	-74.84	-2,102.04	-1,033.80	4,971.77	4,882.37	89.40	55.615		
12,700.00	7,950.00	7,438.46	7,313.20	140.89	32.13	-73.88	-2,108.04	-1,043.30	5,060.59	4,971.09	89.50	56.543		
12,800.00	7,950.00	7,436.66	7,311.46	143.54	32.13	-73.84	-2,108.32	-1,043.65	5,151.34	5,061.69	89.64	57.464		
12,900.00	7,950.00	7,434.92	7,309.78	146.19	32.12	-73.80	-2,108.60	-1,043.98	5,242.42	5,152.63	89.78	58.391		
13,000.00	7,950.00	7,433.24	7,308.15	148.84	32.12	-73.76	-2,108.87	-1,044.30	5,333.81	5,243.90	89.91	59.322		
13,100.00	7,950.00	7,431.61	7,306.57	151.50	32.11	-73.72	-2,109.13	-1,044.60	5,425.50	5,335.46	90.04	60.257		
13,200.00	7,950.00	7,430.04	7,305.04	154.15	32.11	-73.68	-2,109.38	-1,044.89	5,517.47	5,427.31	90.16	61.197		
13,300.00	7,950.00	7,390.00	7,266.02	156.81	32.00	-72.74	-2,116.21	-1,050.61	5,611.28	5,521.05	90.23	62.189		
13,400.00	7,950.00	7,390.00	7,266.02	159.47	32.00	-72.74	-2,116.21	-1,050.61	5,703.67	5,613.32	90.35	63.132		
13,500.00	7,950.00	7,390.00	7,266.02	162.13	32.00	-72.74	-2,116.21	-1,050.61	5,796.30	5,705.85	90.46	64.079		
13,600.00	7,950.00	7,390.00	7,266.02	164.79	32.00	-72.74	-2,116.21	-1,050.61	5,889.18	5,798.62	90.56	65.029		
13,700.00	7,950.00	7,390.00	7,266.02	167.45	32.00	-72.74	-2,116.21	-1,050.61	5,982.28	5,891.62	90.67	65.982		
13,800.00	7,950.00	7,390.00	7,266.02	170.11	32.00	-72.74	-2,116.21	-1,050.61	6,075.61	5,984.84	90.76	66.939		
13,900.00	7,950.00	7,390.00	7,266.02	172.77	32.00	-72.74	-2,116.21	-1,050.61	6,169.14	6,078.28	90.86	67.898		
14,000.00	7,950.00	7,390.00	7,266.02	175.44	32.00	-72.74	-2,116.21	-1,050.61	6,262.88	6,171.92	90.95	68.859		
14,100.00	7,950.00	7,390.00	7,266.02	178.10	32.00	-72.74	-2,116.21	-1,050.61	6,356.80	6,265.76	91.04	69.823		
14,200.00	7,950.00	7,390.00	7,266.02	180.77	32.00	-72.74	-2,116.21	-1,050.61	6,450.91	6,359.78	91.13	70.789		
14,300.00	7,950.00	7,390.00	7,266.02	183.43	32.00	-72.74	-2,116.21	-1,050.61	6,545.19	6,453.98	91.21	71.758		
14,400.00	7,950.00	7,390.00	7,266.02	186.10	32.00	-72.74	-2,116.21	-1,050.61	6,639.64	6,548.35	91.29	72.728		
14,500.00	7,950.00	7,390.00	7,266.02	188.77	32.00	-72.74	-2,116.21	-1,050.61	6,734.25	6,642.88	91.37	73.700		
14,600.00	7,950.00	7,390.00	7,266.02	191.43	32.00	-72.74	-2,116.21	-1,050.61	6,829.01	6,737.56	91.45	74.674		
14,700.00	7,950.00	7,390.00	7,266.02	194.10	32.00	-72.74	-2,116.21	-1,050.61	6,923.92	6,832.40	91.53	75.649		
14,800.00	7,950.00	7,390.00	7,266.02	196.77	32.00	-72.74	-2,116.21	-1,050.61	7,018.98	6,927.38	91.60	76.626		
14,900.00	7,950.00	7,390.00	7,266.02	199.44	32.00	-72.74	-2,116.21	-1,050.61	7,114.16	7,022.49	91.67	77.603		
15,000.00	7,950.00	7,390.00	7,266.02	202.11	32.00	-72.74	-2,116.21	-1,050.61	7,209.48	7,117.74	91.74	78.583		
15,100.00	7,950.00	7,390.00	7,266.02	204.78	32.00	-72.74	-2,116.21	-1,050.61	7,304.93	7,213.11	91.81	79.563		
15,200.00	7,950.00	7,390.00	7,266.02	207.45	32.00	-72.74	-2,116.21	-1,050.61	7,400.49	7,308.61	91.88	80.544		
15,300.00	7,950.00	7,390.00	7,266.02	210.13	32.00	-72.74	-2,116.21	-1,050.61	7,496.17	7,404.22	91.95	81.526		
15,400.00	7,950.00	7,390.00	7,266.02	212.80	32.00	-72.74	-2,116.21	-1,050.61	7,591.96	7,499.95	92.01	82.509		
15,500.00	7,950.00	7,390.00	7,266.02	215.47	32.00	-72.74	-2,116.21	-1,050.61	7,687.86	7,595.78	92.08	83.492		
15,600.00	7,950.00	7,390.00	7,266.02	218.15	32.00	-72.74	-2,116.21	-1,050.61	7,783.86	7,691.72	92.14	84.477		
15,700.00	7,950.00	7,390.00	7,266.02	220.82	32.00	-72.74	-2,116.21	-1,050.61	7,879.96	7,787.75	92.20	85.462		
15,800.00	7,950.00	7,390.00	7,266.02	223.49	32.00	-72.74	-2,116.21	-1,050.61	7,976.15	7,883.89	92.27	86.447		
15,900.00	7,950.00	7,390.00	7,266.02	226.17	32.00	-72.74	-2,116.21	-1,050.61	8,072.44	7,980.12	92.33	87.432		
16,000.00	7,950.00	7,390.00	7,266.02	228.84	32.00	-72.74	-2,116.21	-1,050.61	8,168.82	8,076.43	92.39	88.418		
16,100.00	7,950.00	7,390.00	7,266.02	231.52	32.00	-72.74	-2,116.21	-1,050.61	8,265.29	8,172.84	92.45	89.405		

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

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	7,950.00	7,390.00	7,266.02	234.20	32.00	-72.74	-2,116.21	-1,050.61	8,361.83	8,269.33	92.51	90.391		
16,300.00	7,950.00	7,390.00	7,266.02	236.87	32.00	-72.74	-2,116.21	-1,050.61	8,458.46	8,365.89	92.57	91.378		
16,400.00	7,950.00	7,390.00	7,266.02	239.55	32.00	-72.74	-2,116.21	-1,050.61	8,555.17	8,462.54	92.62	92.364		
16,500.00	7,950.00	7,390.00	7,266.02	242.22	32.00	-72.74	-2,116.21	-1,050.61	8,651.95	8,559.26	92.68	93.351		
16,600.00	7,950.00	7,390.00	7,266.02	244.90	32.00	-72.74	-2,116.21	-1,050.61	8,748.80	8,656.06	92.74	94.338		
16,700.00	7,950.00	7,390.00	7,266.02	247.58	32.00	-72.74	-2,116.21	-1,050.61	8,845.72	8,752.92	92.80	95.325		
16,800.00	7,950.00	7,390.00	7,266.02	250.26	32.00	-72.74	-2,116.21	-1,050.61	8,942.71	8,849.86	92.85	96.311		
16,900.00	7,950.00	7,390.00	7,266.02	252.94	32.00	-72.74	-2,116.21	-1,050.61	9,039.77	8,946.86	92.91	97.297		
17,000.00	7,950.00	7,390.00	7,266.02	255.61	32.00	-72.74	-2,116.21	-1,050.61	9,136.88	9,043.92	92.96	98.283		
17,100.00	7,950.00	7,390.00	7,266.02	258.29	32.00	-72.74	-2,116.21	-1,050.61	9,234.07	9,141.04	93.02	99.269		
17,200.00	7,950.00	7,390.00	7,266.02	260.97	32.00	-72.74	-2,116.21	-1,050.61	9,331.31	9,238.23	93.08	100.255		
17,300.00	7,950.00	7,390.00	7,266.02	263.65	32.00	-72.74	-2,116.21	-1,050.61	9,428.60	9,335.47	93.13	101.240		
17,400.00	7,950.00	7,390.00	7,266.02	266.33	32.00	-72.74	-2,116.21	-1,050.61	9,525.96	9,432.77	93.19	102.224		
17,500.00	7,950.00	7,390.00	7,266.02	269.01	32.00	-72.74	-2,116.21	-1,050.61	9,623.37	9,530.12	93.24	103.209		
17,600.00	7,950.00	7,390.00	7,266.02	271.69	32.00	-72.74	-2,116.21	-1,050.61	9,720.83	9,627.53	93.30	104.192		
17,700.00	7,950.00	7,390.00	7,266.02	274.37	32.00	-72.74	-2,116.21	-1,050.61	9,818.34	9,724.99	93.35	105.175		
17,800.00	7,950.00	7,390.00	7,266.02	277.05	32.00	-72.74	-2,116.21	-1,050.61	9,915.90	9,822.49	93.41	106.158		

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	-173.17	-3,044.16	-364.75	3,066.22					
29.48	29.48	0.00	0.00	0.01	0.00	24.63	-3,044.16	-364.75	3,065.93					
60.08	60.08	20.89	20.89	0.12	0.01	-24.06	-3,044.15	-364.79	3,065.73	3,065.60	0.13	N/A		
90.68	90.68	45.12	45.12	0.23	0.07	-30.73	-3,044.12	-364.95	3,065.47	3,065.18	0.29	N/A		
121.28	121.28	68.93	68.92	0.34	0.15	-29.75	-3,044.17	-365.17	3,065.34	3,064.85	0.49	6,273.851		
151.88	151.88	98.59	98.58	0.45	0.26	-4.36	-3,044.23	-365.46	3,065.24	3,064.53	0.70	4,352.302		
182.48	182.47	121.62	121.62	0.56	0.34	-39.43	-3,044.33	-365.68	3,065.15	3,064.25	0.90	3,420.248		
213.08	213.07	156.72	156.71	0.67	0.47	-40.74	-3,044.49	-366.04	3,065.00	3,063.86	1.13	2,708.729		
243.68	243.67	198.67	198.66	0.78	0.62	-39.69	-3,044.54	-366.63	3,064.71	3,063.32	1.39	2,201.952		
286.38	286.36	236.89	236.87	0.93	0.75	-54.28	-3,044.50	-367.32	3,064.25	3,062.57	1.68	1,822.245		
329.08	329.05	278.41	278.39	1.08	0.90	-61.39	-3,044.54	-368.09	3,063.85	3,061.87	1.98	1,544.794		
371.78	371.73	321.14	321.11	1.24	1.06	-66.88	-3,044.55	-369.02	3,063.44	3,061.15	2.29	1,337.903		
414.48	414.41	364.51	364.46	1.39	1.21	-79.24	-3,044.54	-370.20	3,063.16	3,060.56	2.60	1,178.777		
447.49	447.39	402.66	402.59	1.51	1.35	-88.48	-3,044.47	-371.38	3,063.10	3,060.24	2.85	1,073.231		
457.18	457.07	415.08	415.00	1.54	1.40	-90.71	-3,044.43	-371.79	3,063.10	3,060.17	2.93	1,044.159		
499.88	499.73	463.67	463.56	1.70	1.57	-91.64	-3,044.16	-373.56	3,063.09	3,059.82	3.26	938.986		
528.27	528.08	491.04	490.91	1.80	1.67	-91.25	-3,043.99	-374.64	3,063.08	3,059.62	3.46	884.372		
542.58	542.37	503.10	502.96	1.85	1.72	-91.08	-3,043.92	-375.14	3,063.08	3,059.52	3.56	860.667		
585.28	584.99	539.26	539.09	2.00	1.85	-93.26	-3,043.74	-376.68	3,063.19	3,059.35	3.85	796.621		
627.98	627.61	573.09	572.88	2.16	1.97	-91.38	-3,043.66	-378.19	3,063.42	3,059.30	4.12	742.832		
670.68	670.24	613.40	613.15	2.31	2.12	-84.35	-3,043.63	-380.10	3,063.54	3,059.12	4.43	692.003		
674.96	674.51	617.59	617.33	2.33	2.13	-84.29	-3,043.62	-380.30	3,063.54	3,059.09	4.46	687.210		
713.38	712.89	656.87	656.55	2.47	2.28	-83.55	-3,043.57	-382.37	3,063.55	3,058.81	4.74	646.069		
756.08	755.57	700.56	700.18	2.62	2.44	-88.84	-3,043.48	-384.90	3,063.64	3,058.58	5.06	605.827		
798.78	798.26	745.61	745.14	2.78	2.60	-94.89	-3,043.35	-387.58	3,063.84	3,058.46	5.38	569.900		
841.48	840.95	793.33	792.81	2.93	2.78	-122.99	-3,043.20	-389.94	3,064.09	3,058.39	5.70	537.358		
884.18	883.65	834.10	833.54	3.08	2.93	-112.59	-3,043.11	-391.55	3,064.34	3,058.34	6.00	510.662		
926.88	926.35	875.29	874.72	3.23	3.08	-105.17	-3,043.10	-392.74	3,064.55	3,058.25	6.30	486.383		
969.58	969.05	922.36	921.77	3.38	3.25	-65.35	-3,043.09	-393.74	3,064.62	3,058.00	6.62	462.811		
971.97	971.44	924.45	923.87	3.39	3.25	-69.62	-3,043.08	-393.79	3,064.62	3,057.98	6.64	461.694		
1,012.28	1,011.75	960.43	959.83	3.53	3.38	-122.55	-3,043.08	-394.63	3,064.79	3,057.88	6.91	443.520		
1,054.98	1,054.45	1,012.79	1,012.18	3.68	3.57	-96.83	-3,043.07	-395.90	3,065.03	3,057.78	7.25	422.755		
1,097.68	1,097.15	1,090.28	1,089.65	3.84	3.85	-43.93	-3,042.45	-396.95	3,064.62	3,056.94	7.68	399.221		
1,140.38	1,139.85	1,117.49	1,116.87	3.99	3.94	-85.86	-3,042.18	-397.19	3,064.10	3,056.18	7.92	386.657		
1,183.08	1,182.55	1,146.37	1,145.74	4.14	4.04	-90.39	-3,042.03	-397.53	3,063.94	3,055.76	8.18	374.564		
1,225.78	1,225.24	1,186.02	1,185.39	4.29	4.19	-83.08	-3,041.99	-398.04	3,063.93	3,055.45	8.47	361.550		
1,245.04	1,244.51	1,221.36	1,220.73	4.36	4.31	-147.42	-3,041.82	-398.52	3,063.89	3,055.22	8.67	353.520		
1,268.48	1,267.94	1,232.21	1,231.58	4.44	4.35	146.06	-3,041.78	-398.70	3,063.95	3,055.17	8.79	348.713		
1,311.18	1,310.64	1,262.74	1,262.09	4.58	4.46	161.63	-3,041.72	-399.31	3,064.39	3,055.35	9.04	339.055		
1,353.88	1,353.34	1,297.69	1,297.04	4.72	4.59	149.66	-3,041.76	-400.02	3,065.03	3,055.72	9.31	329.348		
1,396.58	1,396.03	1,352.96	1,352.30	4.87	4.79	167.33	-3,041.81	-401.19	3,065.84	3,056.19	9.65	317.751		
1,439.28	1,438.72	1,404.64	1,403.97	5.01	4.97	144.82	-3,041.55	-402.03	3,066.40	3,056.43	9.98	307.331		
1,481.98	1,481.42	1,436.28	1,435.60	5.15	5.08	159.49	-3,041.51	-402.44	3,067.00	3,056.77	10.23	299.665		
1,524.68	1,524.11	1,476.31	1,475.63	5.30	5.23	149.48	-3,041.53	-402.78	3,067.63	3,057.11	10.52	291.534		
1,567.38	1,566.81	1,510.80	1,510.13	5.44	5.35	165.37	-3,041.62	-403.04	3,068.35	3,057.56	10.79	284.358		
1,610.08	1,609.51	1,583.56	1,582.88	5.59	5.61	143.09	-3,041.57	-403.68	3,068.87	3,057.67	11.20	274.124		
1,652.78	1,652.20	1,643.95	1,643.26	5.73	5.83	111.75	-3,040.96	-404.61	3,068.85	3,057.29	11.55	265.596		
1,695.48	1,694.90	1,691.33	1,690.63	5.88	5.99	117.40	-3,040.28	-405.54	3,068.55	3,056.68	11.87	258.561		
1,738.18	1,737.60	1,728.31	1,727.60	6.02	6.13	116.31	-3,039.78	-406.23	3,068.24	3,056.10	12.14	252.640		
1,780.88	1,780.30	1,762.08	1,761.36	6.17	6.25	89.43	-3,039.41	-406.80	3,067.94	3,055.53	12.41	247.208		
1,823.58	1,823.00	1,790.87	1,790.14	6.31	6.35	94.24	-3,039.19	-407.29	3,067.73	3,055.07	12.66	242.346		
1,841.49	1,840.90	1,802.54	1,801.81	6.37	6.39	94.62	-3,039.15	-407.50	3,067.71	3,054.95	12.76	240.394		

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

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
1,866.28	1,865.69	1,828.73	1,828.00	6.46	6.49	95.01	-3,039.08	-407.94	3,067.73	3,054.79	12.94	237.086		
1,908.98	1,908.39	1,877.86	1,877.12	6.60	6.66	104.17	-3,038.87	-408.51	3,067.69	3,054.43	13.26	231.338		
1,930.45	1,929.85	1,898.82	1,898.09	6.67	6.74	100.96	-3,038.76	-408.78	3,067.68	3,054.27	13.41	228.778		
1,944.30	1,943.71	1,908.24	1,907.50	6.72	6.77	98.52	-3,038.73	-408.91	3,067.68	3,054.19	13.49	227.402		
1,951.68	1,951.09	1,913.68	1,912.94	6.75	6.79	97.08	-3,038.71	-408.98	3,067.68	3,054.15	13.53	226.651		
1,994.38	1,993.78	1,950.60	1,949.86	6.89	6.92	102.38	-3,038.66	-409.54	3,067.80	3,053.99	13.81	222.089		
2,037.08	2,036.48	1,997.36	1,996.61	7.04	7.09	98.51	-3,038.54	-410.24	3,067.90	3,053.77	14.13	217.156		
2,079.78	2,079.17	2,039.32	2,038.57	7.19	7.24	81.90	-3,038.47	-410.88	3,067.92	3,053.50	14.42	212.686		
2,106.27	2,105.66	2,074.37	2,073.62	7.28	7.37	96.74	-3,038.37	-411.26	3,067.87	3,053.23	14.64	209.535		
2,122.48	2,121.87	2,085.74	2,084.99	7.33	7.41	104.39	-3,038.33	-411.40	3,067.89	3,053.16	14.74	208.164		
2,177.48	2,176.86	2,141.13	2,140.37	7.43	7.61	104.42	-3,038.16	-412.27	3,068.06	3,053.03	15.03	204.102		
2,200.00	2,199.38	2,164.24	2,163.47	7.43	7.69	106.86	-3,038.07	-412.65	3,068.09	3,052.98	15.11	202.993		
2,300.00	2,299.37	2,259.90	2,259.13	7.45	8.02	-79.73	-3,037.81	-413.82	3,067.87	3,052.41	15.46	198.451		
2,400.00	2,399.27	2,355.49	2,354.71	7.48	8.34	-78.91	-3,037.78	-414.33	3,067.07	3,051.25	15.82	193.846		
2,500.00	2,498.95	2,454.93	2,454.15	7.54	8.68	-78.84	-3,037.92	-414.26	3,065.68	3,049.47	16.21	189.099		
2,599.85	2,598.15	2,558.75	2,557.98	7.62	9.03	-78.98	-3,037.97	-414.19	3,063.52	3,046.88	16.64	184.102		
2,700.00	2,697.44	2,658.34	2,657.57	7.72	9.36	-79.22	-3,037.91	-414.17	3,060.95	3,043.87	17.08	179.177		
2,800.00	2,796.58	2,754.48	2,753.71	7.85	9.69	-79.46	-3,037.91	-414.06	3,058.51	3,040.97	17.54	174.422		
2,900.00	2,895.72	2,851.56	2,850.78	7.99	10.02	-79.69	-3,038.00	-414.00	3,056.20	3,038.19	18.01	169.683		
3,000.00	2,994.86	2,945.14	2,944.36	8.16	10.34	-79.92	-3,038.21	-414.02	3,054.09	3,035.60	18.49	165.134		
3,100.00	3,094.00	3,056.51	3,055.73	8.34	10.73	-80.18	-3,038.09	-414.20	3,051.70	3,032.64	19.07	160.057		
3,200.00	3,193.14	3,138.87	3,138.09	8.54	11.02	-80.38	-3,038.30	-414.51	3,049.74	3,030.19	19.55	155.960		
3,300.00	3,292.28	3,242.70	3,241.93	8.76	11.39	-80.62	-3,038.52	-414.85	3,047.81	3,027.67	20.14	151.354		
3,400.00	3,391.42	3,574.45	3,572.73	8.99	12.58	-81.12	-3,027.58	-430.31	3,044.35	3,022.84	21.51	141.530		
3,500.00	3,490.56	3,642.80	3,640.52	9.23	12.83	-81.15	-3,022.37	-437.32	3,035.55	3,013.53	22.02	137.882		
3,600.00	3,589.70	3,708.78	3,705.79	9.49	13.07	-81.15	-3,017.80	-445.78	3,027.70	3,005.17	22.53	134.393		
3,700.00	3,688.84	3,882.11	3,876.42	9.76	13.74	-81.03	-3,004.62	-473.22	3,019.58	2,996.16	23.43	128.879		
3,800.00	3,787.98	3,974.04	3,968.85	10.04	14.10	-80.97	-2,996.29	-487.47	3,009.85	2,985.79	24.07	125.066		
3,900.00	3,887.12	4,048.15	4,039.71	10.33	14.39	-80.91	-2,990.03	-499.55	3,000.80	2,976.15	24.65	121.715		
4,000.00	3,986.26	4,124.48	4,114.77	10.62	14.69	-80.85	-2,984.29	-512.12	2,992.65	2,967.39	25.26	118.468		
4,100.00	4,085.40	4,220.49	4,209.17	10.93	15.08	-80.76	-2,977.47	-528.26	2,984.98	2,959.03	25.95	115.023		
4,200.00	4,184.54	4,325.11	4,312.01	11.24	15.51	-80.67	-2,969.85	-545.88	2,977.13	2,950.44	26.68	111.568		
4,300.00	4,283.68	4,421.03	4,406.29	11.56	15.91	-80.59	-2,962.90	-562.10	2,969.34	2,941.94	27.40	108.385		
4,400.00	4,382.82	4,511.35	4,495.02	11.89	16.28	-80.50	-2,956.49	-577.73	2,961.74	2,933.64	28.10	105.412		
4,500.00	4,481.97	4,625.16	4,606.89	12.22	16.76	-80.39	-2,948.55	-597.10	2,954.26	2,925.37	28.89	102.243		
4,600.00	4,581.11	4,734.79	4,714.59	12.56	17.22	-80.29	-2,940.27	-615.82	2,946.20	2,916.52	29.69	99.248		
4,700.00	4,680.25	4,841.19	4,819.25	12.90	17.67	-80.20	-2,932.01	-633.12	2,937.86	2,907.39	30.47	96.423		
4,800.00	4,779.39	4,936.08	4,912.44	13.25	18.08	-80.11	-2,924.48	-649.31	2,929.44	2,898.22	31.22	93.839		
4,900.00	4,878.53	5,020.17	4,994.98	13.60	18.44	-80.02	-2,918.10	-664.06	2,921.42	2,889.49	31.93	91.486		
5,000.00	4,977.67	5,115.84	5,089.09	13.96	18.86	-79.94	-2,911.44	-679.90	2,913.92	2,881.22	32.70	89.119		
5,100.00	5,076.81	5,232.40	5,203.50	14.32	19.37	-79.81	-2,902.67	-700.40	2,905.98	2,872.43	33.55	86.616		
5,200.00	5,175.95	5,323.48	5,292.91	14.68	19.77	-79.71	-2,895.68	-716.28	2,897.89	2,863.58	34.31	84.462		
5,300.00	5,275.09	5,429.03	5,396.50	15.05	20.23	-79.59	-2,887.76	-734.96	2,890.01	2,854.88	35.13	82.259		
5,400.00	5,374.23	5,545.13	5,510.19	15.42	20.76	-79.44	-2,878.24	-756.47	2,881.51	2,845.50	36.01	80.026		
5,500.00	5,473.37	5,624.53	5,587.99	15.79	21.11	-79.34	-2,871.91	-771.00	2,873.26	2,836.52	36.74	78.206		
5,600.00	5,572.51	5,713.53	5,675.46	16.16	21.51	-79.25	-2,865.47	-786.09	2,865.59	2,828.08	37.51	76.401		
5,700.00	5,671.65	5,847.54	5,807.13	16.54	22.11	-79.12	-2,855.30	-808.87	2,857.63	2,819.18	38.45	74.316		
5,800.00	5,770.79	5,938.77	5,896.83	16.92	22.51	-79.04	-2,847.68	-823.63	2,848.80	2,809.57	39.23	72.613		
5,900.00	5,869.93	6,017.04	5,973.93	17.30	22.85	-78.98	-2,841.86	-835.79	2,840.78	2,800.82	39.96	71.091		
6,000.00	5,969.07	6,099.09	6,054.99	17.68	23.21	-78.95	-2,836.44	-847.29	2,833.41	2,792.72	40.70	69.620		
6,100.00	6,068.21	6,182.46	6,137.28	18.07	23.57	-78.91	-2,831.36	-859.67	2,826.66	2,785.21	41.44	68.203		
6,200.00	6,167.35	6,293.22	6,246.40	18.45	24.06	-78.82	-2,824.83	-877.48	2,820.28	2,777.97	42.31	66.660		

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

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
6,300.00	6,266.49	6,416.84	6,368.00	18.84	24.61	-78.70	-2,816.24	-898.05	2,812.88	2,769.65	43.23	65.069		
6,400.00	6,365.63	6,533.71	6,482.81	19.23	25.14	-78.58	-2,807.14	-917.87	2,804.70	2,760.57	44.13	63.557		
6,500.00	6,464.77	6,626.43	6,573.90	19.62	25.56	-78.49	-2,799.95	-933.60	2,796.58	2,751.64	44.94	62.235		
6,600.00	6,563.91	6,723.03	6,668.87	20.01	26.00	-78.39	-2,792.54	-949.64	2,788.51	2,742.75	45.76	60.940		
6,700.00	6,663.05	6,820.70	6,764.91	20.40	26.44	-78.30	-2,785.28	-965.92	2,780.69	2,734.11	46.59	59.688		
6,800.00	6,762.19	6,925.36	6,867.88	20.80	26.91	-78.20	-2,777.39	-982.88	2,772.71	2,725.27	47.44	58.447		
6,900.00	6,861.33	7,015.37	6,956.61	21.19	27.32	-78.14	-2,770.78	-996.48	2,764.79	2,716.56	48.23	57.320		
7,000.00	6,960.47	7,116.23	7,055.81	21.59	27.77	-78.04	-2,763.45	-1,013.18	2,757.15	2,708.07	49.08	56.178		
7,100.00	7,059.61	7,217.09	7,158.19	21.99	28.22	-77.93	-2,756.12	-1,026.17	2,750.77	2,699.43	50.00	55.000		
7,200.00	7,158.75	7,317.93	7,258.16	22.38	28.69	-77.84	-2,748.79	-1,038.87	2,743.42	2,688.54	51.15	53.922		
7,300.00	7,257.89	7,418.76	7,358.68	22.78	29.17	-77.75	-2,741.46	-1,051.12	2,736.07	2,677.65	52.38	52.834		
7,400.00	7,357.03	7,519.77	7,458.33	23.18	29.66	-77.66	-2,734.13	-1,062.91	2,728.74	2,666.74	53.66	51.746		
7,495.63	7,451.84	7,620.78	7,558.86	23.57	30.16	-77.57	-2,726.80	-1,074.16	2,721.41	2,655.83	54.99	50.658		
7,500.00	7,456.17	7,625.11	7,563.91	23.58	31.26	-77.43	-2,719.47	-1,084.91	2,714.02	2,644.92	56.37	49.570		
7,550.00	7,505.33	7,726.12	7,663.00	23.81	31.27	-77.34	-2,712.14	-1,095.16	2,706.63	2,634.03	57.76	48.482		
7,600.00	7,553.51	7,827.13	7,760.32	24.06	31.24	-77.25	-2,704.81	-1,104.91	2,699.24	2,623.14	59.15	47.394		
7,650.00	7,600.34	7,928.14	7,857.95	24.36	31.19	-77.16	-2,697.48	-1,114.16	2,691.85	2,612.25	60.54	46.306		
7,700.00	7,645.48	8,029.15	7,955.96	24.70	31.13	-77.07	-2,690.15	-1,122.91	2,684.46	2,601.36	61.93	45.218		
7,750.00	7,688.57	8,130.16	8,052.97	25.07	31.05	-76.98	-2,682.82	-1,131.16	2,677.07	2,590.47	63.32	44.130		
7,800.00	7,729.30	8,231.17	8,153.98	25.49	30.95	-76.89	-2,675.49	-1,138.91	2,669.68	2,579.58	64.71	43.042		
7,818.42	7,743.64	8,230.68	8,153.75	25.65	30.92	-76.88	-2,674.41	-1,138.91	2,669.68	2,579.58	64.71	43.042	46.049 CC, ES	
7,850.00	7,767.34	8,221.46	8,144.65	25.94	30.85	-76.82	-2,667.08	-1,146.16	2,662.29	2,568.69	66.10	41.954		
7,900.00	7,802.41	8,205.96	8,129.16	26.45	30.74	-76.73	-2,659.75	-1,153.41	2,654.90	2,557.80	67.49	40.866		
7,950.00	7,834.25	8,173.27	8,093.84	27.00	30.55	-76.64	-2,652.42	-1,160.16	2,647.51	2,546.91	68.88	39.778		
8,000.00	7,862.60	8,113.55	8,080.20	27.59	30.23	-76.55	-2,645.09	-1,166.41	2,640.12	2,536.02	70.27	38.690		
8,050.00	7,887.26	8,106.00	8,076.86	28.24	30.20	-76.46	-2,637.76	-1,172.16	2,632.73	2,525.13	71.66	37.602		
8,100.00	7,908.04	8,083.19	8,066.46	28.94	30.11	-76.37	-2,630.43	-1,177.91	2,625.34	2,514.24	73.05	36.514		
8,150.00	7,924.78	8,069.51	8,060.03	29.68	30.06	-76.28	-2,623.10	-1,183.16	2,617.95	2,503.35	74.44	35.426		
8,200.00	7,937.35	8,054.98	8,053.04	30.46	30.01	-76.19	-2,615.77	-1,187.91	2,610.56	2,492.46	75.83	34.338		
8,250.00	7,945.65	8,017.00	8,034.02	31.28	29.88	-76.10	-2,608.44	-1,192.16	2,603.17	2,481.57	77.22	33.250		
8,300.00	7,949.63	8,300.00	7,838.12	32.12	30.66	-88.88	-2,650.15	-700.54	2,655.85	2,593.47	62.38	42.575		
8,320.64	7,950.00	8,016.89	7,833.96	32.47	29.88	-88.36	-2,651.22	-706.39	2,659.99	2,598.26	61.73	43.092		
8,400.00	7,950.00	7,939.23	7,789.94	33.88	29.70	-87.40	-2,662.80	-769.24	2,676.29	2,613.56	62.73	42.662		
8,500.00	7,950.00	7,903.21	7,766.98	35.75	29.64	-86.91	-2,667.76	-796.55	2,698.30	2,634.04	64.26	41.988		
8,600.00	7,950.00	7,876.59	7,749.19	37.73	29.60	-86.52	-2,671.70	-815.95	2,723.04	2,657.18	65.86	41.344		
8,700.00	7,950.00	7,839.00	7,722.94	39.79	29.54	-85.96	-2,677.70	-842.18	2,750.61	2,683.15	67.46	40.775		
8,800.00	7,950.00	7,820.74	7,709.71	41.92	29.52	-85.68	-2,680.71	-854.40	2,780.69	2,711.59	69.11	40.238		
8,900.00	7,950.00	7,784.10	7,682.24	44.11	29.48	-85.10	-2,686.61	-877.91	2,813.25	2,742.53	70.72	39.782		
9,000.00	7,950.00	7,750.00	7,655.59	46.36	29.44	-84.54	-2,691.91	-898.51	2,848.19	2,775.88	72.30	39.392		
9,100.00	7,950.00	7,715.40	7,627.52	48.65	29.39	-83.94	-2,696.99	-918.08	2,885.47	2,811.61	73.86	39.064		
9,200.00	7,950.00	7,683.89	7,601.07	50.98	29.35	-83.39	-2,701.24	-934.66	2,925.07	2,849.68	75.38	38.803		
9,300.00	7,950.00	7,661.00	7,581.36	53.34	29.33	-82.98	-2,704.10	-945.94	2,967.01	2,890.15	76.86	38.602		
9,400.00	7,950.00	7,661.00	7,581.36	55.74	29.33	-82.98	-2,704.10	-945.94	3,011.54	2,933.22	78.32	38.451		
9,500.00	7,950.00	7,630.64	7,554.62	58.16	29.28	-82.42	-2,707.79	-959.84	3,058.17	2,978.49	79.68	38.381		
9,600.00	7,950.00	7,618.39	7,543.65	60.60	29.26	-82.19	-2,709.29	-965.08	3,107.30	3,026.30	81.00	38.360 SF		
9,700.00	7,950.00	7,607.08	7,533.44	63.06	29.24	-81.98	-2,710.68	-969.73	3,158.68	3,076.41	82.27	38.394		
9,800.00	7,950.00	7,572.00	7,501.26	65.54	29.19	-81.32	-2,715.04	-982.99	3,212.57	3,129.14	83.43	38.504		
9,900.00	7,950.00	7,572.00	7,501.26	68.04	29.19	-81.32	-2,715.04	-982.99	3,267.94	3,183.34	84.60	38.628		
10,000.00	7,950.00	7,572.00	7,501.26	70.55	29.19	-81.32	-2,715.04	-982.99	3,325.39	3,239.69	85.71	38.800		
10,100.00	7,950.00	7,572.00	7,501.26	73.08	29.19	-81.32	-2,715.04	-982.99	3,384.82	3,298.07	86.75	39.018		
10,200.00	7,950.00	7,572.00	7,501.26	75.61	29.19	-81.32	-2,715.04	-982.99	3,446.13	3,358.39	87.74	39.277		
10,300.00	7,950.00	7,572.00	7,501.26	78.16	29.19	-81.32	-2,715.04	-982.99	3,509.22	3,420.55	88.67	39.575		

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

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
10,400.00	7,950.00	7,535.14	7,466.78	80.71	29.12	-80.61	-2,719.48	-995.25	3,573.39	3,483.88	89.51	39.922		
10,500.00	7,950.00	7,525.64	7,457.81	83.28	29.11	-80.43	-2,720.58	-998.16	3,639.40	3,549.06	90.33	40.289		
10,600.00	7,950.00	7,516.77	7,449.40	85.85	29.09	-80.26	-2,721.58	-1,000.79	3,706.85	3,615.74	91.11	40.686		
10,700.00	7,950.00	7,483.00	7,417.11	88.43	29.03	-79.60	-2,725.25	-1,009.99	3,775.98	3,684.18	91.79	41.136		
10,800.00	7,950.00	7,483.00	7,417.11	91.01	29.03	-79.60	-2,725.25	-1,009.99	3,845.96	3,753.46	92.50	41.577		
10,900.00	7,950.00	7,483.00	7,417.11	93.60	29.03	-79.60	-2,725.25	-1,009.99	3,917.24	3,824.08	93.17	42.045		
11,000.00	7,950.00	7,483.00	7,417.11	96.20	29.03	-79.60	-2,725.25	-1,009.99	3,989.76	3,895.97	93.80	42.536		
11,100.00	7,950.00	7,483.00	7,417.11	98.80	29.03	-79.60	-2,725.25	-1,009.99	4,063.45	3,969.06	94.39	43.050		
11,200.00	7,950.00	7,483.00	7,417.11	101.41	29.03	-79.60	-2,725.25	-1,009.99	4,138.24	4,043.29	94.95	43.585		
11,300.00	7,950.00	7,483.00	7,417.11	104.02	29.03	-79.60	-2,725.25	-1,009.99	4,214.08	4,118.60	95.47	44.139		
11,400.00	7,950.00	7,483.00	7,417.11	106.63	29.03	-79.60	-2,725.25	-1,009.99	4,290.90	4,194.93	95.97	44.711		
11,500.00	7,950.00	7,483.00	7,417.11	109.25	29.03	-79.60	-2,725.25	-1,009.99	4,368.67	4,272.23	96.44	45.301		
11,600.00	7,950.00	7,483.00	7,417.11	111.88	29.03	-79.60	-2,725.25	-1,009.99	4,447.32	4,350.44	96.88	45.907		
11,700.00	7,950.00	7,483.00	7,417.11	114.50	29.03	-79.60	-2,725.25	-1,009.99	4,526.82	4,429.52	97.29	46.527		
11,800.00	7,950.00	7,483.00	7,417.11	117.13	29.03	-79.60	-2,725.25	-1,009.99	4,607.11	4,509.42	97.69	47.162		
11,900.00	7,950.00	7,447.07	7,382.34	119.76	28.94	-78.90	-2,728.92	-1,018.22	4,687.34	4,589.33	98.01	47.825		
12,000.00	7,950.00	7,443.72	7,379.07	122.39	28.94	-78.83	-2,729.25	-1,018.90	4,768.95	4,670.59	98.36	48.485		
12,100.00	7,950.00	7,440.52	7,375.95	125.03	28.93	-78.77	-2,729.57	-1,019.53	4,851.23	4,752.54	98.69	49.156		
12,200.00	7,950.00	7,437.46	7,372.96	127.67	28.92	-78.71	-2,729.87	-1,020.13	4,934.15	4,835.15	99.00	49.838		
12,300.00	7,950.00	7,434.52	7,370.09	130.31	28.92	-78.65	-2,730.16	-1,020.68	5,017.69	4,918.39	99.30	50.531		
12,400.00	7,950.00	7,431.70	7,367.34	132.95	28.91	-78.59	-2,730.43	-1,021.21	5,101.80	5,002.22	99.58	51.233		
12,500.00	7,950.00	7,394.00	7,330.28	135.60	28.82	-77.85	-2,734.01	-1,027.16	5,187.28	5,087.50	99.78	51.988		
12,600.00	7,950.00	7,394.00	7,330.28	138.24	28.82	-77.85	-2,734.01	-1,027.16	5,272.36	5,172.32	100.04	52.704		
12,700.00	7,950.00	7,394.00	7,330.28	140.89	28.82	-77.85	-2,734.01	-1,027.16	5,357.96	5,257.68	100.28	53.427		
12,800.00	7,950.00	7,394.00	7,330.28	143.54	28.82	-77.85	-2,734.01	-1,027.16	5,444.06	5,343.54	100.52	54.159		
12,900.00	7,950.00	7,394.00	7,330.28	146.19	28.82	-77.85	-2,734.01	-1,027.16	5,530.62	5,429.87	100.74	54.898		
13,000.00	7,950.00	7,394.00	7,330.28	148.84	28.82	-77.85	-2,734.01	-1,027.16	5,617.62	5,516.67	100.96	55.645		
13,100.00	7,950.00	7,394.00	7,330.28	151.50	28.82	-77.85	-2,734.01	-1,027.16	5,705.06	5,603.90	101.16	56.398		
13,200.00	7,950.00	7,394.00	7,330.28	154.15	28.82	-77.85	-2,734.01	-1,027.16	5,792.90	5,691.55	101.35	57.157		
13,300.00	7,950.00	7,394.00	7,330.28	156.81	28.82	-77.85	-2,734.01	-1,027.16	5,881.12	5,779.59	101.53	57.922		
13,400.00	7,950.00	7,394.00	7,330.28	159.47	28.82	-77.85	-2,734.01	-1,027.16	5,969.72	5,868.01	101.71	58.693		
13,500.00	7,950.00	7,394.00	7,330.28	162.13	28.82	-77.85	-2,734.01	-1,027.16	6,058.68	5,956.80	101.88	59.469		
13,600.00	7,950.00	7,394.00	7,330.28	164.79	28.82	-77.85	-2,734.01	-1,027.16	6,147.97	6,045.93	102.04	60.251		
13,700.00	7,950.00	7,394.00	7,330.28	167.45	28.82	-77.85	-2,734.01	-1,027.16	6,237.59	6,135.39	102.19	61.037		
13,800.00	7,950.00	7,394.00	7,330.28	170.11	28.82	-77.85	-2,734.01	-1,027.16	6,327.52	6,225.18	102.34	61.828		
13,900.00	7,950.00	7,394.00	7,330.28	172.77	28.82	-77.85	-2,734.01	-1,027.16	6,417.75	6,315.26	102.48	62.623		
14,000.00	7,950.00	7,394.00	7,330.28	175.44	28.82	-77.85	-2,734.01	-1,027.16	6,508.26	6,405.64	102.62	63.422		
14,100.00	7,950.00	7,394.00	7,330.28	178.10	28.82	-77.85	-2,734.01	-1,027.16	6,599.05	6,496.30	102.75	64.225		
14,200.00	7,950.00	7,394.00	7,330.28	180.77	28.82	-77.85	-2,734.01	-1,027.16	6,690.10	6,587.22	102.88	65.031		
14,300.00	7,950.00	7,394.00	7,330.28	183.43	28.82	-77.85	-2,734.01	-1,027.16	6,781.40	6,678.40	103.00	65.841		
14,400.00	7,950.00	7,394.00	7,330.28	186.10	28.82	-77.85	-2,734.01	-1,027.16	6,872.94	6,769.83	103.11	66.655		
14,500.00	7,950.00	7,394.00	7,330.28	188.77	28.82	-77.85	-2,734.01	-1,027.16	6,964.72	6,861.49	103.22	67.471		
14,600.00	7,950.00	7,394.00	7,330.28	191.43	28.82	-77.85	-2,734.01	-1,027.16	7,056.72	6,953.39	103.33	68.291		
14,700.00	7,950.00	7,394.00	7,330.28	194.10	28.82	-77.85	-2,734.01	-1,027.16	7,148.93	7,045.50	103.44	69.113		
14,800.00	7,950.00	7,394.00	7,330.28	196.77	28.82	-77.85	-2,734.01	-1,027.16	7,241.35	7,137.82	103.54	69.938		
14,900.00	7,950.00	7,394.00	7,330.28	199.44	28.82	-77.85	-2,734.01	-1,027.16	7,333.98	7,230.34	103.64	70.766		
15,000.00	7,950.00	7,394.00	7,330.28	202.11	28.82	-77.85	-2,734.01	-1,027.16	7,426.79	7,323.05	103.73	71.596		
15,100.00	7,950.00	7,394.00	7,330.28	204.78	28.82	-77.85	-2,734.01	-1,027.16	7,519.78	7,415.96	103.82	72.428		
15,200.00	7,950.00	7,394.00	7,330.28	207.45	28.82	-77.85	-2,734.01	-1,027.16	7,612.96	7,509.04	103.91	73.263		
15,300.00	7,950.00	7,394.00	7,330.28	210.13	28.82	-77.85	-2,734.01	-1,027.16	7,706.30	7,602.30	104.00	74.099		
15,400.00	7,950.00	7,394.00	7,330.28	212.80	28.82	-77.85	-2,734.01	-1,027.16	7,799.81	7,695.73	104.08	74.937		
15,500.00	7,950.00	7,394.00	7,330.28	215.47	28.82	-77.85	-2,734.01	-1,027.16	7,893.48	7,789.31	104.17	75.778		

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



# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
15,600.00	7,950.00	7,394.00	7,330.28	218.15	28.82	-77.85	-2,734.01	-1,027.16	7,987.30	7,883.06	104.25	76.619		
15,700.00	7,950.00	7,394.00	7,330.28	220.82	28.82	-77.85	-2,734.01	-1,027.16	8,081.27	7,976.95	104.32	77.463		
15,800.00	7,950.00	7,394.00	7,330.28	223.49	28.82	-77.85	-2,734.01	-1,027.16	8,175.39	8,070.99	104.40	78.308		
15,900.00	7,950.00	7,394.00	7,330.28	226.17	28.82	-77.85	-2,734.01	-1,027.16	8,269.64	8,165.16	104.47	79.154		
16,000.00	7,950.00	7,394.00	7,330.28	228.84	28.82	-77.85	-2,734.01	-1,027.16	8,364.02	8,259.48	104.55	80.002		
16,100.00	7,950.00	7,394.00	7,330.28	231.52	28.82	-77.85	-2,734.01	-1,027.16	8,458.54	8,353.92	104.62	80.851		
16,200.00	7,950.00	7,394.00	7,330.28	234.20	28.82	-77.85	-2,734.01	-1,027.16	8,553.18	8,448.49	104.69	81.702		
16,300.00	7,950.00	7,394.00	7,330.28	236.87	28.82	-77.85	-2,734.01	-1,027.16	8,647.94	8,543.18	104.76	82.553		
16,400.00	7,950.00	7,394.00	7,330.28	239.55	28.82	-77.85	-2,734.01	-1,027.16	8,742.81	8,637.99	104.82	83.406		
16,500.00	7,950.00	7,394.00	7,330.28	242.22	28.82	-77.85	-2,734.01	-1,027.16	8,837.80	8,732.91	104.89	84.259		
16,600.00	7,950.00	7,394.00	7,330.28	244.90	28.82	-77.85	-2,734.01	-1,027.16	8,932.90	8,827.95	104.95	85.114		
16,700.00	7,950.00	7,394.00	7,330.28	247.58	28.82	-77.85	-2,734.01	-1,027.16	9,028.11	8,923.09	105.02	85.969		
16,800.00	7,950.00	7,394.00	7,330.28	250.26	28.82	-77.85	-2,734.01	-1,027.16	9,123.41	9,018.34	105.08	86.825		
16,900.00	7,950.00	7,394.00	7,330.28	252.94	28.82	-77.85	-2,734.01	-1,027.16	9,218.82	9,113.68	105.14	87.682		
17,000.00	7,950.00	7,394.00	7,330.28	255.61	28.82	-77.85	-2,734.01	-1,027.16	9,314.32	9,209.12	105.20	88.539		
17,100.00	7,950.00	7,394.00	7,330.28	258.29	28.82	-77.85	-2,734.01	-1,027.16	9,409.92	9,304.66	105.26	89.397		
17,200.00	7,950.00	7,394.00	7,330.28	260.97	28.82	-77.85	-2,734.01	-1,027.16	9,505.61	9,400.29	105.32	90.256		
17,300.00	7,950.00	7,394.00	7,330.28	263.65	28.82	-77.85	-2,734.01	-1,027.16	9,601.38	9,496.01	105.38	91.115		
17,400.00	7,950.00	7,394.00	7,330.28	266.33	28.82	-77.85	-2,734.01	-1,027.16	9,697.24	9,591.81	105.43	91.974		
17,500.00	7,950.00	7,394.00	7,330.28	269.01	28.82	-77.85	-2,734.01	-1,027.16	9,793.19	9,687.70	105.49	92.834		
17,600.00	7,950.00	7,394.00	7,330.28	271.69	28.82	-77.85	-2,734.01	-1,027.16	9,889.21	9,783.66	105.55	93.695		
17,700.00	7,950.00	7,394.00	7,330.28	274.37	28.82	-77.85	-2,734.01	-1,027.16	9,985.31	9,879.71	105.60	94.556		

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	-173.11	-3,019.39	-364.75	3,041.63					
29.48	29.48	0.00	0.00	0.01	0.00	24.69	-3,019.39	-364.75	3,041.34					
60.08	60.08	18.57	18.57	0.12	0.00	-24.00	-3,019.39	-364.75	3,041.15	3,041.03	0.12	N/A		
90.68	90.68	55.65	55.65	0.23	0.11	-30.68	-3,019.36	-364.76	3,040.86	3,040.52	0.34	8,852.953		
121.28	121.28	94.12	94.12	0.34	0.25	-29.70	-3,019.22	-364.81	3,040.54	3,039.95	0.59	5,145.449		
151.88	151.88	132.59	132.59	0.45	0.39	-4.32	-3,018.98	-364.89	3,040.15	3,039.31	0.84	3,625.264		
182.48	182.47	171.06	171.05	0.56	0.53	-39.39	-3,018.63	-365.01	3,039.64	3,038.55	1.09	2,797.687		
213.08	213.07	209.52	209.51	0.67	0.67	-40.71	-3,018.18	-365.17	3,038.97	3,037.63	1.33	2,277.181		
243.68	243.67	247.97	247.96	0.78	0.80	-39.66	-3,017.62	-365.36	3,038.18	3,036.60	1.58	1,920.052		
286.38	286.36	301.62	301.60	0.93	1.00	-54.27	-3,016.67	-365.68	3,036.94	3,035.01	1.93	1,575.503		
329.08	329.05	355.26	355.23	1.08	1.19	-61.39	-3,015.51	-366.08	3,035.54	3,033.26	2.27	1,335.726		
371.78	371.73	408.89	408.83	1.24	1.38	-66.91	-3,014.15	-366.54	3,033.97	3,031.35	2.62	1,159.124		
414.48	414.41	457.83	457.75	1.39	1.56	-79.29	-3,012.77	-367.28	3,032.44	3,029.50	2.95	1,029.587		
457.18	457.07	519.15	519.02	1.54	1.78	-90.78	-3,010.66	-368.67	3,030.96	3,027.65	3.32	913.590		
499.88	499.73	564.70	564.52	1.70	1.94	-91.72	-3,008.92	-369.88	3,029.52	3,025.88	3.63	833.652		
542.58	542.37	594.82	594.61	1.85	2.05	-91.18	-3,007.80	-370.69	3,028.14	3,024.25	3.90	777.182		
585.28	584.99	626.41	626.17	2.00	2.17	-93.37	-3,006.79	-371.59	3,027.02	3,022.86	4.16	726.800		
627.98	627.61	658.06	657.79	2.16	2.28	-91.50	-3,005.81	-372.45	3,025.98	3,021.54	4.43	682.374		
670.68	670.24	686.31	686.02	2.31	2.38	-84.47	-3,005.06	-373.13	3,024.93	3,020.24	4.69	644.659		
713.38	712.89	712.10	711.81	2.47	2.48	-83.67	-3,004.60	-373.67	3,024.05	3,019.11	4.94	612.093		
756.08	755.57	746.63	746.33	2.62	2.60	-88.97	-3,004.10	-374.34	3,023.43	3,018.22	5.22	579.371		
798.78	798.26	786.69	786.37	2.78	2.74	-95.05	-3,003.61	-375.07	3,023.02	3,017.51	5.51	548.165		
841.48	840.95	851.76	851.42	2.93	2.98	-123.17	-3,002.53	-376.23	3,022.53	3,016.63	5.90	512.345		
884.18	883.65	913.08	912.72	3.08	3.20	-112.77	-3,001.19	-377.31	3,021.84	3,015.57	6.27	481.951		
926.88	926.35	949.10	948.72	3.23	3.33	-105.36	-3,000.30	-377.95	3,020.96	3,014.41	6.55	461.154		
969.58	969.05	978.44	978.05	3.38	3.43	-65.54	-2,999.66	-378.55	3,020.11	3,013.31	6.81	443.583		
1,012.28	1,011.75	1,005.62	1,005.22	3.53	3.53	-122.75	-2,999.20	-379.17	3,019.56	3,012.50	7.06	427.851		
1,054.98	1,054.45	1,031.27	1,030.86	3.68	3.62	-97.03	-2,998.89	-379.89	3,019.32	3,012.01	7.30	413.558		
1,097.68	1,097.15	1,057.05	1,056.62	3.84	3.72	-44.13	-2,998.70	-380.78	3,019.07	3,011.52	7.54	400.163		
1,122.69	1,122.16	1,072.20	1,071.75	3.92	3.77	-64.54	-2,998.65	-381.38	3,018.98	3,011.29	7.69	392.719 CC		
1,140.38	1,139.85	1,084.50	1,084.05	3.99	3.81	-86.04	-2,998.64	-381.90	3,019.02	3,011.23	7.79	387.350		
1,183.08	1,182.55	1,114.69	1,114.20	4.14	3.92	-90.56	-2,998.70	-383.29	3,019.32	3,011.27	8.05	374.900		
1,225.78	1,225.24	1,178.76	1,178.18	4.29	4.15	-83.19	-2,998.68	-386.75	3,019.58	3,011.14	8.44	357.911		
1,268.48	1,267.94	1,219.22	1,218.56	4.44	4.30	145.98	-2,998.46	-389.26	3,019.82	3,011.09	8.73	345.917 ES		
1,311.18	1,310.64	1,256.09	1,255.34	4.58	4.43	161.59	-2,998.29	-391.77	3,020.39	3,011.38	9.01	335.382		
1,353.88	1,353.34	1,295.90	1,295.06	4.72	4.57	149.66	-2,998.15	-394.54	3,021.09	3,011.80	9.29	325.072		
1,396.58	1,396.03	1,343.74	1,342.79	4.87	4.75	167.37	-2,997.97	-397.84	3,021.94	3,012.33	9.61	314.388		
1,439.28	1,438.72	1,379.24	1,378.21	5.01	4.88	144.88	-2,997.87	-400.19	3,022.88	3,012.99	9.89	305.789		
1,481.98	1,481.42	1,481.98	1,455.83	5.15	5.25	159.63	-2,997.39	-404.14	3,023.48	3,013.07	10.40	290.623		
1,524.68	1,524.11	1,495.90	1,494.74	5.30	5.30	149.64	-2,996.96	-405.36	3,023.75	3,013.15	10.60	285.321		
1,567.38	1,566.81	1,522.00	1,520.83	5.44	5.39	165.53	-2,996.86	-405.95	3,024.27	3,013.43	10.84	279.082		
1,610.08	1,609.51	1,553.70	1,552.52	5.59	5.51	143.25	-2,996.87	-406.74	3,024.91	3,013.82	11.09	272.642		
1,652.78	1,652.20	1,609.47	1,608.27	5.73	5.71	111.92	-2,996.83	-408.29	3,025.36	3,013.92	11.44	264.482		
1,695.48	1,694.90	1,655.55	1,654.34	5.88	5.87	117.57	-2,996.68	-409.58	3,025.57	3,013.82	11.75	257.535		
1,738.18	1,737.60	1,699.31	1,698.07	6.02	6.03	116.49	-2,996.49	-410.72	3,025.71	3,013.66	12.05	251.101		
1,780.88	1,780.30	1,735.71	1,734.47	6.17	6.16	89.61	-2,996.39	-411.54	3,025.79	3,013.47	12.32	245.513		
1,823.58	1,823.00	1,766.90	1,765.65	6.31	6.27	94.43	-2,996.41	-412.14	3,025.94	3,013.37	12.58	240.545		
1,866.28	1,865.69	1,801.95	1,800.70	6.46	6.39	95.19	-2,996.58	-412.59	3,026.25	3,013.41	12.85	235.583		
1,908.98	1,908.39	1,835.16	1,833.91	6.60	6.50	104.34	-2,996.87	-412.75	3,026.75	3,013.64	13.10	231.000		
1,951.68	1,951.09	1,874.71	1,873.46	6.75	6.64	97.24	-2,997.35	-412.77	3,027.36	3,013.98	13.38	226.261		
1,994.38	1,993.78	1,913.10	1,911.84	6.89	6.76	102.53	-2,997.80	-412.82	3,027.97	3,014.32	13.65	221.778		
2,037.08	2,036.48	1,946.26	1,945.00	7.04	6.87	98.64	-2,998.30	-412.87	3,028.74	3,014.83	13.91	217.751		

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

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
2,079.78	2,079.17	1,983.38	1,982.11	7.19	7.00	82.02	-2,998.96	-412.82	3,029.50	3,015.32	14.18	213.672		
2,122.48	2,121.87	2,021.95	2,020.68	7.33	7.12	104.49	-2,999.71	-412.77	3,030.36	3,015.90	14.45	209.673		
2,177.48	2,176.86	2,084.61	2,083.32	7.43	7.33	104.51	-3,000.81	-412.91	3,031.55	3,016.79	14.76	205.394		
2,200.00	2,199.38	2,104.98	2,103.69	7.43	7.40	106.95	-3,001.16	-412.97	3,032.02	3,017.19	14.83	204.456		
2,300.00	2,299.37	2,186.84	2,185.54	7.45	7.68	-79.62	-3,002.81	-413.14	3,033.94	3,018.82	15.12	200.624		
2,400.00	2,399.27	2,262.45	2,261.11	7.48	7.94	-78.74	-3,004.88	-413.60	3,035.88	3,020.47	15.41	196.965		
2,500.00	2,498.95	2,337.93	2,336.54	7.54	8.20	-78.55	-3,007.49	-414.43	3,037.92	3,022.19	15.72	193.199		
2,599.85	2,598.15	2,406.00	2,404.55	7.62	8.43	-78.53	-3,010.34	-415.50	3,040.06	3,024.03	16.03	189.640		
2,700.00	2,697.44	2,467.12	2,465.56	7.72	8.65	-78.65	-3,013.53	-416.97	3,043.04	3,026.70	16.34	186.254		
2,800.00	2,796.58	2,532.05	2,530.31	7.85	8.88	-78.78	-3,017.78	-419.31	3,047.41	3,030.73	16.68	182.695		
2,900.00	2,895.72	2,612.18	2,610.15	7.99	9.16	-78.92	-3,023.63	-422.95	3,052.68	3,035.58	17.10	178.495		
3,000.00	2,994.86	2,695.06	2,692.67	8.16	9.46	-79.04	-3,029.87	-427.53	3,058.37	3,040.81	17.56	174.201		
3,100.00	3,094.00	2,762.00	2,759.21	8.34	9.71	-79.13	-3,035.56	-432.00	3,065.09	3,047.12	17.97	170.608		
3,200.00	3,193.14	2,803.97	2,800.85	8.54	9.86	-79.19	-3,039.69	-435.17	3,073.25	3,054.96	18.29	168.039		
3,300.00	3,292.28	2,851.00	2,847.41	8.76	10.04	-79.24	-3,045.10	-439.02	3,083.18	3,064.53	18.64	165.366		
3,400.00	3,391.42	2,908.44	2,904.15	8.99	10.26	-79.30	-3,052.54	-444.05	3,094.63	3,075.57	19.06	162.399		
3,500.00	3,490.56	2,970.95	2,965.77	9.23	10.50	-79.36	-3,061.42	-449.58	3,107.34	3,087.84	19.50	159.365		
3,600.00	3,589.70	3,064.85	3,058.35	9.49	10.86	-79.51	-3,075.99	-455.24	3,121.10	3,101.01	20.09	155.376		
3,700.00	3,688.84	3,253.11	3,244.10	9.76	11.60	-79.67	-3,100.50	-473.45	3,132.42	3,111.31	21.11	148.385		
3,800.00	3,787.98	3,800.00	3,365.85	10.04	13.83	-79.73	-3,114.43	-487.57	3,142.53	3,119.05	23.48	133.830		
3,900.00	3,887.12	3,459.73	3,447.89	10.33	12.44	-79.74	-3,123.37	-498.59	3,152.37	3,129.90	22.47	140.310		
4,000.00	3,986.26	3,523.11	3,510.14	10.62	12.71	-79.74	-3,130.83	-507.86	3,163.32	3,140.33	22.99	137.606		
4,100.00	4,085.40	3,596.40	3,581.89	10.93	13.03	-79.71	-3,140.17	-519.54	3,175.36	3,151.79	23.56	134.761		
4,200.00	4,184.54	3,708.87	3,692.04	11.24	13.52	-79.69	-3,154.82	-536.92	3,187.67	3,163.34	24.33	131.020		
4,300.00	4,283.68	3,788.79	3,770.40	11.56	13.87	-79.68	-3,164.98	-548.91	3,199.67	3,174.72	24.95	128.229		
4,400.00	4,382.82	3,847.56	3,827.83	11.89	14.13	-79.66	-3,173.07	-558.40	3,212.80	3,187.32	25.48	126.087		
4,500.00	4,481.97	3,901.75	3,880.72	12.22	14.37	-79.65	-3,181.30	-566.84	3,227.26	3,201.28	25.99	124.178		
4,600.00	4,581.11	4,035.52	4,011.53	12.56	14.98	-79.66	-3,202.09	-585.52	3,241.92	3,215.03	26.89	120.567		
4,700.00	4,680.25	4,108.38	4,082.82	12.90	15.31	-79.67	-3,213.34	-595.47	3,256.42	3,228.93	27.50	118.430		
4,800.00	4,779.39	4,193.10	4,165.58	13.25	15.69	-79.67	-3,226.89	-607.57	3,271.55	3,243.38	28.17	116.141		
4,900.00	4,878.53	4,313.75	4,283.45	13.60	16.25	-79.67	-3,245.73	-625.09	3,286.28	3,257.25	29.03	113.215		
5,000.00	4,977.67	4,389.83	4,357.79	13.96	16.61	-79.68	-3,257.73	-635.88	3,301.20	3,271.54	29.67	111.275		
5,100.00	5,076.81	4,455.00	4,421.34	14.32	16.91	-79.68	-3,268.62	-645.42	3,317.07	3,286.81	30.25	109.640		
5,200.00	5,175.95	4,590.20	4,553.29	14.68	17.55	-79.68	-3,290.86	-664.75	3,332.58	3,301.38	31.20	106.802		
5,300.00	5,275.09	4,689.06	4,649.80	15.05	18.02	-79.68	-3,306.82	-679.03	3,347.88	3,315.91	31.97	104.716		
5,400.00	5,374.23	4,770.52	4,729.33	15.42	18.41	-79.69	-3,320.05	-690.72	3,363.28	3,330.63	32.65	102.996		
5,500.00	5,473.37	4,879.68	4,835.74	15.79	18.94	-79.68	-3,338.30	-706.78	3,379.21	3,345.73	33.48	100.921		
5,600.00	5,572.51	4,956.77	4,910.99	16.16	19.31	-79.69	-3,350.98	-717.73	3,394.83	3,360.68	34.15	99.409		
5,700.00	5,671.65	5,095.38	5,046.26	16.54	19.98	-79.70	-3,374.26	-736.99	3,410.88	3,375.74	35.14	97.077		
5,800.00	5,770.79	5,145.72	5,095.40	16.92	20.23	-79.71	-3,382.79	-743.86	3,426.70	3,391.04	35.67	96.074		
5,900.00	5,869.93	5,284.70	5,231.21	17.30	20.90	-79.74	-3,405.70	-762.34	3,442.13	3,405.47	36.66	93.896		
6,000.00	5,969.07	5,346.00	5,291.04	17.68	21.20	-79.75	-3,416.17	-770.68	3,458.10	3,420.85	37.25	92.835		
6,100.00	6,068.21	5,396.83	5,340.48	18.07	21.45	-79.75	-3,425.42	-778.06	3,475.25	3,437.46	37.79	91.969		
6,200.00	6,167.35	5,479.28	5,420.50	18.45	21.87	-79.75	-3,440.83	-790.57	3,493.15	3,454.66	38.49	90.744		
6,300.00	6,266.49	5,570.48	5,509.03	18.84	22.33	-79.75	-3,458.12	-803.98	3,511.30	3,472.04	39.25	89.454		
6,400.00	6,365.63	5,787.18	5,720.22	19.23	23.41	-79.77	-3,496.07	-834.18	3,527.91	3,487.23	40.68	86.722		
6,500.00	6,464.77	5,901.26	5,831.85	19.62	23.97	-79.79	-3,513.80	-849.54	3,542.48	3,500.93	41.56	85.243		
6,600.00	6,563.91	5,982.06	5,910.88	20.01	24.36	-79.80	-3,526.58	-860.48	3,557.34	3,515.08	42.26	84.170		
6,700.00	6,663.05	6,094.42	6,020.87	20.40	24.91	-79.83	-3,544.13	-875.33	3,571.96	3,528.82	43.14	82.808		
6,800.00	6,762.19	6,174.34	6,099.02	20.80	25.30	-79.84	-3,556.82	-886.20	3,586.90	3,543.06	43.84	81.818		
6,900.00	6,861.33	6,259.19	6,181.90	21.19	25.72	-79.85	-3,570.63	-898.02	3,602.27	3,557.70	44.57	80.817		
7,000.00	6,960.47	6,350.26	6,270.77	21.59	26.18	-79.85	-3,585.76	-910.92	3,618.00	3,572.66	45.34	79.795		

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

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
7,100.00	7,059.61	6,463.62	6,381.40	21.99	26.75	-79.85	-3,604.41	-927.18	3,633.60	3,587.37	46.23	78.597		
7,200.00	7,158.75	6,611.37	6,525.79	22.38	27.48	-79.86	-3,627.56	-948.32	3,648.46	3,601.16	47.30	77.132		
7,300.00	7,257.89	6,682.00	6,594.87	22.78	27.83	-79.86	-3,638.52	-958.15	3,663.02	3,615.05	47.97	76.367		
7,400.00	7,357.03	6,758.81	6,669.91	23.18	28.21	-79.87	-3,650.80	-968.91	3,678.12	3,629.45	48.66	75.583		
7,495.63	7,451.84	6,872.99	6,781.46	23.57	28.78	-79.87	-3,669.19	-984.98	3,692.69	3,643.14	49.55	74.528		
7,500.00	7,456.17	6,872.31	6,780.79	23.58	28.78	-80.04	-3,669.09	-984.89	3,693.35	3,643.80	49.56	74.527		
7,550.00	7,505.33	6,914.71	6,822.22	23.81	28.99	-80.84	-3,675.88	-990.83	3,700.63	3,650.68	49.95	74.084		
7,600.00	7,553.51	6,949.00	6,855.71	24.06	29.16	-80.88	-3,681.42	-995.66	3,707.52	3,657.17	50.35	73.642		
7,650.00	7,600.34	6,988.33	6,894.10	24.36	29.36	-80.73	-3,687.89	-1,001.28	3,714.02	3,663.21	50.81	73.097		
7,700.00	7,645.48	7,020.69	6,925.64	24.70	29.53	-80.51	-3,693.35	-1,005.98	3,720.18	3,668.90	51.28	72.547		
7,750.00	7,688.57	7,104.62	7,007.49	25.07	29.95	-80.63	-3,707.44	-1,018.08	3,725.83	3,673.75	52.08	71.544		
7,800.00	7,729.30	7,152.50	7,054.30	25.49	30.19	-80.63	-3,715.05	-1,024.68	3,730.45	3,677.72	52.73	70.749		
7,850.00	7,767.34	7,181.34	7,082.47	25.94	30.34	-80.53	-3,719.71	-1,028.72	3,734.74	3,681.41	53.32	70.038		
7,900.00	7,802.41	7,216.00	7,116.30	26.45	30.51	-80.53	-3,725.44	-1,033.68	3,738.74	3,684.73	54.01	69.228		
7,950.00	7,834.25	7,235.48	7,135.31	27.00	30.60	-80.42	-3,728.72	-1,036.33	3,742.44	3,687.79	54.65	68.474		
8,000.00	7,862.60	7,259.70	7,159.00	27.59	30.72	-80.40	-3,732.87	-1,039.18	3,745.91	3,690.52	55.38	67.634		
8,050.00	7,887.26	7,280.31	7,179.19	28.24	30.82	-80.36	-3,736.47	-1,041.20	3,749.18	3,693.03	56.15	66.768		
8,100.00	7,908.04	7,297.32	7,195.88	28.94	30.90	-80.30	-3,739.48	-1,042.60	3,752.30	3,695.34	56.96	65.881		
8,150.00	7,924.78	7,305.00	7,203.42	29.68	30.94	-80.13	-3,740.85	-1,043.14	3,755.31	3,697.55	57.76	65.019		
8,200.00	7,937.35	7,320.05	7,218.19	30.46	31.01	-80.07	-3,743.56	-1,044.06	3,758.21	3,699.58	58.64	64.090		
8,250.00	7,945.65	7,326.55	7,224.57	31.28	31.03	-79.90	-3,744.74	-1,044.38	3,761.05	3,701.54	59.52	63.193		
8,300.00	7,949.63	7,330.20	7,228.16	32.12	31.05	-79.68	-3,745.41	-1,044.55	3,763.82	3,703.41	60.41	62.304		
8,320.64	7,950.00	7,330.93	7,228.88	32.47	31.05	-79.59	-3,745.54	-1,044.58	3,764.94	3,704.16	60.78	61.942		
8,400.00	7,950.00	7,332.81	7,230.72	33.88	31.06	-79.61	-3,745.88	-1,044.66	3,770.05	3,707.80	62.25	60.566		
8,500.00	7,950.00	7,334.95	7,232.82	35.75	31.07	-79.65	-3,746.28	-1,044.74	3,778.85	3,714.68	64.17	58.885		
8,600.00	7,950.00	7,336.88	7,234.72	37.73	31.08	-79.68	-3,746.63	-1,044.82	3,790.27	3,724.10	66.17	57.284		
8,700.00	7,950.00	7,338.64	7,236.45	39.79	31.09	-79.70	-3,746.95	-1,044.88	3,804.28	3,736.07	68.21	55.775		
8,800.00	7,950.00	7,340.23	7,238.01	41.92	31.09	-79.73	-3,747.25	-1,044.93	3,820.86	3,750.58	70.28	54.368		
8,900.00	7,950.00	7,341.69	7,239.45	44.11	31.10	-79.75	-3,747.52	-1,044.98	3,839.96	3,767.60	72.36	53.066		
9,000.00	7,950.00	7,343.04	7,240.77	46.36	31.11	-79.77	-3,747.76	-1,045.02	3,861.57	3,787.12	74.45	51.868		
9,100.00	7,950.00	7,344.27	7,241.98	48.65	31.11	-79.79	-3,747.99	-1,045.06	3,885.62	3,809.10	76.53	50.775		
9,200.00	7,950.00	7,345.41	7,243.10	50.98	31.12	-79.81	-3,748.20	-1,045.09	3,912.09	3,833.50	78.59	49.782		
9,300.00	7,950.00	7,346.47	7,244.15	53.34	31.12	-79.82	-3,748.40	-1,045.12	3,940.91	3,860.30	80.62	48.885		
9,400.00	7,950.00	7,347.46	7,245.11	55.74	31.12	-79.84	-3,748.58	-1,045.15	3,972.04	3,889.43	82.61	48.079		
9,500.00	7,950.00	7,348.38	7,246.02	58.16	31.13	-79.85	-3,748.75	-1,045.17	4,005.43	3,920.86	84.57	47.360		
9,600.00	7,950.00	7,349.24	7,246.86	60.60	31.13	-79.86	-3,748.91	-1,045.20	4,041.02	3,954.53	86.49	46.723		
9,700.00	7,950.00	7,350.04	7,247.65	63.06	31.14	-79.88	-3,749.06	-1,045.21	4,078.74	3,990.39	88.36	46.162		
9,800.00	7,950.00	7,350.79	7,248.39	65.54	31.14	-79.89	-3,749.20	-1,045.23	4,118.55	4,028.38	90.18	45.672		
9,900.00	7,950.00	7,351.50	7,249.09	68.04	31.14	-79.90	-3,749.33	-1,045.25	4,160.39	4,068.44	91.94	45.250		
10,000.00	7,950.00	7,352.17	7,249.74	70.55	31.14	-79.91	-3,749.46	-1,045.26	4,204.18	4,110.53	93.65	44.891		
10,100.00	7,950.00	7,352.80	7,250.36	73.08	31.15	-79.92	-3,749.57	-1,045.28	4,249.88	4,154.57	95.31	44.590		
10,200.00	7,950.00	7,353.40	7,250.95	75.61	31.15	-79.93	-3,749.69	-1,045.29	4,297.42	4,200.50	96.91	44.344		
10,300.00	7,950.00	7,353.96	7,251.50	78.16	31.15	-79.94	-3,749.79	-1,045.30	4,346.73	4,248.28	98.46	44.149		
10,400.00	7,950.00	7,354.49	7,252.02	80.71	31.15	-79.94	-3,749.89	-1,045.31	4,397.77	4,297.83	99.95	44.002		
10,500.00	7,950.00	7,355.00	7,252.52	83.28	31.16	-79.95	-3,749.98	-1,045.32	4,450.47	4,349.09	101.38	43.899		
10,600.00	7,950.00	7,355.48	7,253.00	85.85	31.16	-79.96	-3,750.07	-1,045.33	4,504.78	4,402.02	102.76	43.838		
10,700.00	7,950.00	7,355.94	7,253.45	88.43	31.16	-79.97	-3,750.16	-1,045.34	4,560.63	4,456.55	104.08	43.817 SF		
10,800.00	7,950.00	7,356.38	7,253.88	91.01	31.16	-79.97	-3,750.24	-1,045.35	4,617.97	4,512.61	105.36	43.831		
10,900.00	7,950.00	7,356.80	7,254.29	93.60	31.16	-79.98	-3,750.32	-1,045.35	4,676.75	4,570.17	106.58	43.880		
11,000.00	7,950.00	7,357.20	7,254.68	96.20	31.17	-79.99	-3,750.39	-1,045.36	4,736.90	4,629.15	107.75	43.962		
11,100.00	7,950.00	7,357.58	7,255.05	98.80	31.17	-79.99	-3,750.46	-1,045.37	4,798.39	4,689.52	108.87	44.073		
11,200.00	7,950.00	7,357.94	7,255.41	101.41	31.17	-80.00	-3,750.53	-1,045.37	4,861.16	4,751.21	109.95	44.212		

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

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
11,300.00	7,950.00	7,358.29	7,255.75	104.02	31.17	-80.00	-3,750.60	-1,045.38	4,925.16	4,814.17	110.98	44.378		
11,400.00	7,950.00	7,358.63	7,256.08	106.63	31.17	-80.01	-3,750.66	-1,045.38	4,990.34	4,878.37	111.97	44.569		
11,500.00	7,950.00	7,358.95	7,256.40	109.25	31.17	-80.01	-3,750.72	-1,045.39	5,056.66	4,943.74	112.91	44.783		
11,600.00	7,950.00	7,359.26	7,256.70	111.88	31.17	-80.02	-3,750.78	-1,045.39	5,124.07	5,010.25	113.82	45.020		
11,700.00	7,950.00	7,359.55	7,256.99	114.50	31.18	-80.02	-3,750.83	-1,045.40	5,192.53	5,077.85	114.68	45.277		
11,800.00	7,950.00	7,359.84	7,257.27	117.13	31.18	-80.03	-3,750.89	-1,045.40	5,262.00	5,146.49	115.51	45.554		
11,900.00	7,950.00	7,394.00	7,290.81	119.76	31.32	-80.55	-3,757.36	-1,045.32	5,333.01	5,216.41	116.60	45.738		
12,000.00	7,950.00	7,394.00	7,290.81	122.39	31.32	-80.55	-3,757.36	-1,045.32	5,404.37	5,287.02	117.36	46.051		
12,100.00	7,950.00	7,394.00	7,290.81	125.03	31.32	-80.55	-3,757.36	-1,045.32	5,476.64	5,358.56	118.08	46.381		
12,200.00	7,950.00	7,394.00	7,290.81	127.67	31.32	-80.55	-3,757.36	-1,045.32	5,549.76	5,430.99	118.77	46.727		
12,300.00	7,950.00	7,394.00	7,290.81	130.31	31.32	-80.55	-3,757.36	-1,045.32	5,623.72	5,504.29	119.43	47.087		
12,400.00	7,950.00	7,394.00	7,290.81	132.95	31.32	-80.55	-3,757.36	-1,045.32	5,698.47	5,578.40	120.07	47.461		
12,500.00	7,950.00	7,394.00	7,290.81	135.60	31.32	-80.55	-3,757.36	-1,045.32	5,773.98	5,653.31	120.67	47.849		
12,600.00	7,950.00	7,394.00	7,290.81	138.24	31.32	-80.55	-3,757.36	-1,045.32	5,850.23	5,728.97	121.25	48.249		
12,700.00	7,950.00	7,394.00	7,290.81	140.89	31.32	-80.55	-3,757.36	-1,045.32	5,927.18	5,805.37	121.81	48.661		
12,800.00	7,950.00	7,394.00	7,290.81	143.54	31.32	-80.55	-3,757.36	-1,045.32	6,004.81	5,882.47	122.34	49.084		
12,900.00	7,950.00	7,394.00	7,290.81	146.19	31.32	-80.55	-3,757.36	-1,045.32	6,083.10	5,960.25	122.85	49.518		
13,000.00	7,950.00	7,394.00	7,290.81	148.84	31.32	-80.55	-3,757.36	-1,045.32	6,162.01	6,038.68	123.33	49.962		
13,100.00	7,950.00	7,394.00	7,290.81	151.50	31.32	-80.55	-3,757.36	-1,045.32	6,241.53	6,117.73	123.80	50.416		
13,200.00	7,950.00	7,394.00	7,290.81	154.15	31.32	-80.55	-3,757.36	-1,045.32	6,321.63	6,197.38	124.25	50.880		
13,300.00	7,950.00	7,394.00	7,290.81	156.81	31.32	-80.55	-3,757.36	-1,045.32	6,402.29	6,277.62	124.67	51.352		
13,400.00	7,950.00	7,394.00	7,290.81	159.47	31.32	-80.55	-3,757.36	-1,045.32	6,483.49	6,358.40	125.08	51.833		
13,500.00	7,950.00	7,394.00	7,290.81	162.13	31.32	-80.55	-3,757.36	-1,045.32	6,565.21	6,439.73	125.48	52.321		
13,600.00	7,950.00	7,394.00	7,290.81	164.79	31.32	-80.55	-3,757.36	-1,045.32	6,647.42	6,521.57	125.86	52.818		
13,700.00	7,950.00	7,394.00	7,290.81	167.45	31.32	-80.55	-3,757.36	-1,045.32	6,730.12	6,603.91	126.22	53.321		
13,800.00	7,950.00	7,394.00	7,290.81	170.11	31.32	-80.55	-3,757.36	-1,045.32	6,813.29	6,686.72	126.57	53.832		
13,900.00	7,950.00	7,394.00	7,290.81	172.77	31.32	-80.55	-3,757.36	-1,045.32	6,896.90	6,770.00	126.90	54.349		
14,000.00	7,950.00	7,394.00	7,290.81	175.44	31.32	-80.55	-3,757.36	-1,045.32	6,980.94	6,853.72	127.22	54.873		
14,100.00	7,950.00	7,394.00	7,290.81	178.10	31.32	-80.55	-3,757.36	-1,045.32	7,065.40	6,937.87	127.53	55.403		
14,200.00	7,950.00	7,394.00	7,290.81	180.77	31.32	-80.55	-3,757.36	-1,045.32	7,150.25	7,022.43	127.82	55.938		
14,300.00	7,950.00	7,394.00	7,290.81	183.43	31.32	-80.55	-3,757.36	-1,045.32	7,235.50	7,107.39	128.11	56.480		
14,400.00	7,950.00	7,394.00	7,290.81	186.10	31.32	-80.55	-3,757.36	-1,045.32	7,321.12	7,192.73	128.38	57.026		
14,500.00	7,950.00	7,394.00	7,290.81	188.77	31.32	-80.55	-3,757.36	-1,045.32	7,407.09	7,278.45	128.64	57.578		
14,600.00	7,950.00	7,394.00	7,290.81	191.43	31.32	-80.55	-3,757.36	-1,045.32	7,493.42	7,364.52	128.90	58.134		
14,700.00	7,950.00	7,394.00	7,290.81	194.10	31.32	-80.55	-3,757.36	-1,045.32	7,580.08	7,450.94	129.14	58.696		
14,800.00	7,950.00	7,394.00	7,290.81	196.77	31.32	-80.55	-3,757.36	-1,045.32	7,667.07	7,537.69	129.38	59.261		
14,900.00	7,950.00	7,394.00	7,290.81	199.44	31.32	-80.55	-3,757.36	-1,045.32	7,754.37	7,624.77	129.60	59.831		
15,000.00	7,950.00	7,394.00	7,290.81	202.11	31.32	-80.55	-3,757.36	-1,045.32	7,841.98	7,712.16	129.82	60.405		
15,100.00	7,950.00	7,394.00	7,290.81	204.78	31.32	-80.55	-3,757.36	-1,045.32	7,929.88	7,799.84	130.03	60.984		
15,200.00	7,950.00	7,394.00	7,290.81	207.45	31.32	-80.55	-3,757.36	-1,045.32	8,018.06	7,887.82	130.24	61.566		
15,300.00	7,950.00	7,394.00	7,290.81	210.13	31.32	-80.55	-3,757.36	-1,045.32	8,106.51	7,976.08	130.43	62.151		
15,400.00	7,950.00	7,394.00	7,290.81	212.80	31.32	-80.55	-3,757.36	-1,045.32	8,195.23	8,064.61	130.62	62.740		
15,500.00	7,950.00	7,394.00	7,290.81	215.47	31.32	-80.55	-3,757.36	-1,045.32	8,284.21	8,153.41	130.80	63.333		
15,600.00	7,950.00	7,394.00	7,290.81	218.15	31.32	-80.55	-3,757.36	-1,045.32	8,373.44	8,242.46	130.98	63.928		
15,700.00	7,950.00	7,394.00	7,290.81	220.82	31.32	-80.55	-3,757.36	-1,045.32	8,462.91	8,331.75	131.15	64.527		
15,800.00	7,950.00	7,394.00	7,290.81	223.49	31.32	-80.55	-3,757.36	-1,045.32	8,552.61	8,421.29	131.32	65.129		
15,900.00	7,950.00	7,394.00	7,290.81	226.17	31.32	-80.55	-3,757.36	-1,045.32	8,642.54	8,511.06	131.48	65.734		
16,000.00	7,950.00	7,394.00	7,290.81	228.84	31.32	-80.55	-3,757.36	-1,045.32	8,732.68	8,601.05	131.63	66.341		
16,100.00	7,950.00	7,394.00	7,290.81	231.52	31.32	-80.55	-3,757.36	-1,045.32	8,823.04	8,691.26	131.78	66.951		
16,200.00	7,950.00	7,394.00	7,290.81	234.20	31.32	-80.55	-3,757.36	-1,045.32	8,913.60	8,781.68	131.93	67.564		
16,300.00	7,950.00	7,394.00	7,290.81	236.87	31.32	-80.55	-3,757.36	-1,045.32	9,004.37	8,872.30	132.07	68.179		
16,400.00	7,950.00	7,394.00	7,290.81	239.55	31.32	-80.55	-3,757.36	-1,045.32	9,095.33	8,963.12	132.21	68.796		

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

## Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SEC 21-T4S-R65W - EXIST HZ SUNSET 4-65 21-22 4BH - OWB - FINAL SURVEY												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 24-MWD OWSG												<b>Offset Well Error:</b>	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	
16,500.00	7,950.00	7,394.00	7,290.81	242.22	31.32	-80.55	-3,757.36	-1,045.32	9,186.47	9,054.13	132.34	69.416	
16,600.00	7,950.00	7,394.00	7,290.81	244.90	31.32	-80.55	-3,757.36	-1,045.32	9,277.80	9,145.33	132.47	70.038	
16,700.00	7,950.00	7,394.00	7,290.81	247.58	31.32	-80.55	-3,757.36	-1,045.32	9,369.31	9,236.71	132.59	70.662	
16,800.00	7,950.00	7,394.00	7,290.81	250.26	31.32	-80.55	-3,757.36	-1,045.32	9,460.98	9,328.27	132.72	71.288	
16,900.00	7,950.00	7,394.00	7,290.81	252.94	31.32	-80.55	-3,757.36	-1,045.32	9,552.83	9,419.99	132.83	71.915	
17,000.00	7,950.00	7,394.00	7,290.81	255.61	31.32	-80.55	-3,757.36	-1,045.32	9,644.83	9,511.89	132.95	72.545	
17,100.00	7,950.00	7,394.00	7,290.81	258.29	31.32	-80.55	-3,757.36	-1,045.32	9,737.00	9,603.94	133.06	73.177	
17,200.00	7,950.00	7,394.00	7,290.81	260.97	31.32	-80.55	-3,757.36	-1,045.32	9,829.32	9,696.15	133.17	73.810	
17,300.00	7,950.00	7,394.00	7,290.81	263.65	31.32	-80.55	-3,757.36	-1,045.32	9,921.78	9,788.51	133.28	74.445	

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	4.20	4.20	0.00	0.00	141.55	-78.31	62.19	100.00					
29.48	29.48	33.54	33.54	0.01	0.03	-20.65	-78.33	62.18	99.98	99.94	0.04	2,257.840		
60.08	60.08	64.00	64.00	0.12	0.14	-69.38	-78.43	62.16	99.96	99.70	0.26	381.185		
66.55	66.55	70.42	70.42	0.14	0.17	-70.66	-78.46	62.16	99.96	99.65	0.31	324.119		
90.68	90.68	94.36	94.36	0.23	0.25	-76.13	-78.61	62.13	99.99	99.51	0.48	208.050		
121.28	121.28	124.59	124.59	0.34	0.36	-75.12	-78.96	62.03	100.15	99.45	0.70	143.250		
151.88	151.88	155.30	155.29	0.45	0.47	-49.62	-79.41	61.88	100.31	99.39	0.92	109.173		
182.48	182.47	186.03	186.02	0.56	0.58	-84.59	-79.86	61.67	100.45	99.31	1.14	88.213		
213.08	213.07	216.94	216.93	0.67	0.69	-85.91	-80.23	61.44	100.56	99.20	1.36	73.981		
243.68	243.67	247.45	247.43	0.78	0.80	-84.87	-80.61	61.14	100.64	99.06	1.58	63.752		
286.38	286.36	290.08	290.05	0.93	0.96	-99.41	-81.32	60.59	100.89	99.01	1.89	53.522		
329.08	329.05	333.26	333.22	1.08	1.11	-106.47	-82.06	59.84	101.24	99.05	2.19	46.155		
371.78	371.73	375.64	375.59	1.24	1.26	-112.08	-82.72	59.17	101.76	99.26	2.50	40.713		
414.48	414.41	418.60	418.54	1.39	1.42	-124.84	-83.12	58.80	102.53	99.73	2.81	36.528		
457.18	457.07	461.26	461.20	1.54	1.57	-136.85	-83.31	58.62	103.67	100.55	3.11	33.301		
499.88	499.73	503.82	503.77	1.70	1.72	-138.33	-83.54	58.43	105.18	101.76	3.42	30.763		
542.58	542.37	546.28	546.22	1.85	1.88	-138.37	-83.85	58.23	107.00	103.27	3.73	28.723		
585.28	584.99	589.04	588.98	2.00	2.03	-141.20	-84.19	58.00	109.05	105.02	4.03	27.042		
627.98	627.61	631.73	631.67	2.16	2.18	-139.95	-84.53	57.72	111.15	106.81	4.34	25.609		
670.68	670.24	674.32	674.26	2.31	2.34	-133.50	-84.91	57.40	112.98	108.34	4.65	24.314		
713.38	712.89	717.05	716.98	2.47	2.49	-133.16	-85.35	57.01	114.42	109.47	4.95	23.096		
756.08	755.57	760.10	760.02	2.62	2.64	-138.67	-85.79	56.51	115.44	110.18	5.26	21.939		
798.78	798.26	803.36	803.28	2.78	2.80	-144.75	-86.06	55.91	115.99	110.42	5.57	20.828		
841.48	840.95	846.04	845.96	2.93	2.95	-172.70	-86.26	55.23	116.17	110.30	5.87	19.784		
884.18	883.65	888.03	887.94	3.08	3.10	-161.97	-86.69	54.57	116.33	110.16	6.17	18.847		
926.88	926.35	931.63	931.52	3.23	3.26	-154.09	-87.22	53.64	116.30	109.82	6.48	17.946		
958.44	957.91	962.55	962.44	3.34	3.37	-122.29	-87.61	52.94	116.23	109.53	6.70	17.337		
969.58	969.05	973.59	973.47	3.38	3.41	-113.84	-87.78	52.72	116.24	109.45	6.78	17.135		
1,012.28	1,011.75	1,016.75	1,016.61	3.53	3.56	-170.60	-88.36	51.82	116.32	109.23	7.09	16.405		
1,054.98	1,054.45	1,060.15	1,060.01	3.68	3.72	-144.49	-88.72	50.84	116.31	108.91	7.40	15.722		
1,097.68	1,097.15	1,104.00	1,103.84	3.84	3.88	-91.22	-88.87	49.53	115.76	108.05	7.71	15.022		
1,140.38	1,139.85	1,147.77	1,147.57	3.99	4.03	-132.67	-88.83	47.87	114.77	106.76	8.01	14.323		
1,183.08	1,182.55	1,192.37	1,192.11	4.14	4.19	-136.51	-88.48	45.49	113.27	104.95	8.32	13.612		
1,225.78	1,225.24	1,235.96	1,235.60	4.29	4.35	-128.38	-87.91	42.65	111.32	102.69	8.63	12.904		
1,268.48	1,267.94	1,279.70	1,279.20	4.44	4.50	102.10	-87.31	39.12	108.90	99.97	8.93	12.198		
1,311.18	1,310.64	1,322.93	1,322.21	4.58	4.66	119.61	-86.83	34.78	106.15	96.93	9.22	11.508		
1,353.88	1,353.34	1,365.46	1,364.44	4.72	4.82	110.15	-86.76	29.78	103.51	93.98	9.52	10.868		
1,396.58	1,396.03	1,408.40	1,406.98	4.87	4.98	130.95	-86.87	23.97	100.97	91.14	9.83	10.273		
1,439.28	1,438.72	1,450.70	1,448.79	5.01	5.14	112.15	-87.23	17.60	98.71	88.57	10.14	9.737		
1,481.98	1,481.42	1,493.18	1,490.66	5.15	5.31	131.11	-87.74	10.45	96.62	86.17	10.45	9.246		
1,524.68	1,524.11	1,535.18	1,531.99	5.30	5.47	125.74	-88.35	2.95	95.08	84.31	10.77	8.830		
1,567.38	1,566.81	1,577.48	1,573.56	5.44	5.65	146.54	-88.92	-4.86	94.12	83.03	11.09	8.489		
1,610.08	1,609.51	1,619.82	1,615.20	5.59	5.82	129.11	-89.24	-12.53	93.58	82.18	11.41	8.205		
1,635.28	1,634.71	1,644.42	1,639.38	5.67	5.92	113.33	-89.41	-17.00	93.48	81.89	11.59	8.065 CC		
1,652.78	1,652.20	1,661.51	1,656.18	5.73	5.99	102.71	-89.55	-20.16	93.53	81.81	11.72	7.981 ES		
1,695.48	1,694.90	1,703.46	1,697.44	5.88	6.17	113.21	-89.91	-27.69	94.12	82.09	12.03	7.823		
1,738.18	1,737.60	1,745.56	1,738.90	6.02	6.34	116.71	-90.23	-35.03	95.31	82.97	12.34	7.724		
1,780.88	1,780.30	1,787.56	1,780.29	6.17	6.52	94.16	-90.54	-42.17	96.97	84.33	12.64	7.669		
1,823.58	1,823.00	1,829.33	1,821.44	6.31	6.69	103.17	-90.92	-49.33	99.21	86.26	12.94	7.664		
1,866.28	1,865.69	1,871.39	1,862.80	6.46	6.87	108.23	-91.14	-56.96	102.02	88.77	13.24	7.704		
1,908.98	1,908.39	1,912.51	1,903.17	6.60	7.05	121.57	-91.37	-64.77	105.64	92.11	13.53	7.808		
1,951.68	1,951.09	1,953.40	1,943.28	6.75	7.23	118.35	-91.87	-72.68	110.14	96.33	13.81	7.976		

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



# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
1,994.38	1,993.78	1,993.67	1,982.72	6.89	7.41	127.20	-92.68	-80.77	115.60	101.52	14.08	8.211		
2,037.08	2,036.48	2,036.29	2,024.41	7.04	7.61	126.89	-93.49	-89.57	121.69	107.31	14.38	8.463		
2,079.78	2,079.17	2,077.22	2,064.46	7.19	7.80	113.43	-94.19	-98.03	128.02	113.37	14.65	8.737		
2,122.48	2,121.87	2,120.24	2,106.57	7.33	7.99	138.84	-94.96	-106.76	134.67	119.71	14.96	9.003		
2,177.48	2,176.86	2,173.21	2,158.51	7.43	8.23	141.87	-96.11	-117.09	143.66	128.43	15.23	9.434		
2,200.00	2,199.38	2,195.14	2,180.02	7.43	8.33	145.43	-96.71	-121.34	147.45	132.14	15.30	9.634		
2,300.00	2,299.37	2,293.51	2,276.49	7.45	8.79	-37.19	-99.46	-140.37	163.11	147.44	15.67	10.408		
2,400.00	2,399.27	2,392.62	2,373.73	7.48	9.25	-33.71	-102.29	-159.31	176.31	160.24	16.07	10.973		
2,500.00	2,498.95	2,486.69	2,465.79	7.54	9.69	-31.69	-105.11	-178.43	187.90	171.48	16.42	11.443		
2,599.85	2,598.15	2,575.43	2,551.63	7.62	10.15	-29.83	-107.85	-200.73	200.74	184.04	16.70	12.018		
2,700.00	2,697.44	2,676.06	2,648.13	7.72	10.70	-28.07	-111.31	-229.03	215.05	197.85	17.20	12.504		
2,800.00	2,796.58	2,772.23	2,740.39	7.85	11.23	-26.70	-114.96	-255.89	229.50	211.86	17.64	13.008		
2,900.00	2,895.72	2,881.06	2,845.35	7.99	11.82	-25.38	-118.22	-284.47	242.17	223.88	18.29	13.238		
3,000.00	2,994.86	2,988.39	2,949.74	8.16	12.37	-24.39	-120.46	-309.28	251.70	232.79	18.91	13.310		
3,100.00	3,094.00	3,097.01	3,056.28	8.34	12.89	-23.79	-122.18	-330.32	257.64	238.11	19.53	13.190		
3,200.00	3,193.14	3,199.61	3,157.41	8.54	13.36	-23.52	-123.77	-347.53	261.25	241.15	20.10	12.995		
3,300.00	3,292.28	3,299.89	3,256.30	8.76	13.82	-23.17	-124.79	-364.19	264.49	243.83	20.67	12.798		
3,400.00	3,391.42	3,399.43	3,354.43	8.99	14.27	-22.78	-125.62	-380.86	267.77	246.53	21.24	12.610		
3,500.00	3,490.56	3,499.68	3,453.23	9.23	14.73	-22.39	-126.44	-397.81	271.21	249.39	21.82	12.429		
3,600.00	3,589.70	3,601.10	3,553.32	9.49	15.19	-22.08	-127.30	-414.15	273.93	251.51	22.42	12.216		
3,700.00	3,688.84	3,699.22	3,650.10	9.76	15.64	-21.77	-128.26	-430.31	277.05	254.04	23.01	12.039		
3,800.00	3,787.98	3,799.62	3,749.06	10.04	16.09	-21.45	-129.28	-447.15	280.48	256.85	23.63	11.871		
3,900.00	3,887.12	3,900.36	3,848.43	10.33	16.55	-21.13	-130.11	-463.70	283.52	259.26	24.25	11.690		
4,000.00	3,986.26	4,000.98	3,947.70	10.62	17.01	-20.76	-130.60	-480.18	286.37	261.49	24.88	11.508		
4,100.00	4,085.40	4,100.16	4,045.54	10.93	17.46	-20.42	-131.13	-496.37	289.21	263.70	25.51	11.337		
4,200.00	4,184.54	4,199.24	4,143.25	11.24	17.91	-20.12	-131.97	-512.74	292.37	266.23	26.15	11.183		
4,300.00	4,283.68	4,298.78	4,241.40	11.56	18.37	-19.83	-132.91	-529.36	295.74	268.95	26.79	11.039		
4,400.00	4,382.82	4,398.20	4,339.44	11.89	18.82	-19.73	-134.80	-545.74	299.30	271.86	27.44	10.906		
4,500.00	4,481.97	4,497.97	4,437.84	12.22	19.27	-19.72	-137.15	-562.06	302.93	274.82	28.11	10.778		
4,600.00	4,581.11	4,598.16	4,536.64	12.56	19.73	-19.70	-139.51	-578.51	306.62	277.84	28.78	10.655		
4,700.00	4,680.25	4,698.55	4,635.65	12.90	20.19	-19.61	-141.40	-594.98	310.11	280.66	29.45	10.529		
4,800.00	4,779.39	4,798.17	4,733.91	13.25	20.64	-19.54	-143.41	-611.26	313.59	283.46	30.13	10.409		
4,900.00	4,878.53	4,898.40	4,832.78	13.60	21.10	-19.51	-145.60	-627.61	317.11	286.30	30.81	10.292		
5,000.00	4,977.67	4,998.24	4,931.26	13.96	21.56	-19.48	-147.76	-643.85	320.59	289.09	31.50	10.179		
5,100.00	5,076.81	5,105.91	5,037.54	14.32	22.03	-19.46	-150.02	-660.95	323.73	291.50	32.23	10.045		
5,200.00	5,175.95	5,213.90	5,144.91	14.68	22.48	-19.92	-152.51	-672.02	321.56	288.60	32.96	9.756		
5,226.47	5,202.19	5,236.01	5,166.87	14.78	22.56	-19.96	-152.86	-674.68	321.38	288.25	33.13	9.701		
5,300.00	5,275.09	5,299.87	5,230.02	15.05	22.84	-19.92	-153.67	-684.08	322.59	289.00	33.58	9.605		
5,400.00	5,374.23	5,392.60	5,321.33	15.42	23.27	-19.82	-155.72	-700.15	327.03	292.81	34.23	9.555		
5,500.00	5,473.37	5,490.52	5,417.55	15.79	23.74	-19.70	-158.20	-718.10	332.57	297.66	34.91	9.526		
5,600.00	5,572.51	5,588.69	5,513.94	16.16	24.21	-19.57	-160.81	-736.57	338.61	303.01	35.60	9.511		
5,700.00	5,671.65	5,690.74	5,614.10	16.54	24.71	-19.41	-163.39	-755.90	344.73	308.40	36.33	9.490		
5,800.00	5,770.79	5,790.91	5,712.51	16.92	25.19	-19.20	-165.37	-774.49	350.26	313.23	37.04	9.458		
5,900.00	5,869.93	5,890.01	5,809.84	17.30	25.66	-19.00	-167.35	-793.01	355.92	318.19	37.74	9.432		
6,000.00	5,969.07	5,989.93	5,907.97	17.68	26.14	-18.80	-169.42	-811.73	361.67	323.23	38.45	9.407		
6,100.00	6,068.21	6,090.07	6,006.30	18.07	26.63	-18.54	-171.04	-830.64	367.38	328.22	39.16	9.382		
6,200.00	6,167.35	6,190.31	6,104.76	18.45	27.11	-18.32	-172.82	-849.37	372.98	333.11	39.87	9.355		
6,300.00	6,266.49	6,291.67	6,204.35	18.84	27.59	-18.12	-174.62	-868.14	378.41	337.82	40.59	9.322		
6,400.00	6,365.63	6,392.79	6,303.80	19.23	28.07	-17.96	-176.48	-886.28	383.34	342.02	41.32	9.278		
6,500.00	6,464.77	6,492.91	6,402.28	19.62	28.54	-17.75	-177.88	-904.28	388.14	346.10	42.03	9.234		
6,600.00	6,563.91	6,592.65	6,500.37	20.01	29.02	-17.49	-178.95	-922.33	392.93	350.18	42.75	9.192		
6,700.00	6,663.05	6,692.35	6,598.47	20.40	29.49	-17.39	-181.01	-940.02	397.77	354.31	43.46	9.152		

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

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
6,800.00	6,762.19	6,792.57	6,697.07	20.80	29.96	-17.28	-182.99	-957.85	402.61	358.42	44.19	9.111		
6,900.00	6,861.33	6,893.61	6,796.51	21.19	30.44	-17.14	-184.72	-975.70	407.25	362.33	44.92	9.067		
7,000.00	6,960.47	6,994.15	6,895.49	21.59	30.91	-17.01	-186.38	-993.22	411.63	365.99	45.64	9.019		
7,100.00	7,059.61	7,094.84	6,994.60	21.99	31.38	-16.76	-187.25	-1,010.97	415.93	369.57	46.36	8.971		
7,200.00	7,158.75	7,193.92	7,092.14	22.38	31.84	-16.51	-187.89	-1,028.36	420.09	373.01	47.07	8.924		
7,300.00	7,257.89	7,347.83	7,244.57	22.78	32.47	-16.40	-188.54	-1,048.66	421.12	373.27	47.84	8.802		
7,400.00	7,357.03	7,549.96	7,444.84	23.18	32.88	-19.13	-191.74	-1,027.01	398.18	351.24	46.94	8.483		
7,495.63	7,451.84	7,709.42	7,594.07	23.57	33.01	-25.25	-197.54	-972.12	358.04	312.79	45.26	7.911		
7,500.00	7,456.17	7,715.29	7,599.32	23.58	33.01	-25.93	-197.76	-969.50	355.87	310.65	45.22	7.870		
7,550.00	7,505.33	7,784.50	7,659.74	23.81	33.04	-34.46	-199.82	-935.87	327.95	283.43	44.52	7.367		
7,600.00	7,553.51	7,848.23	7,712.20	24.06	33.07	-46.10	-199.58	-899.73	294.50	250.62	43.88	6.711		
7,650.00	7,600.34	7,895.26	7,748.45	24.36	33.09	-60.52	-197.81	-869.84	257.87	213.65	44.22	5.831		
7,700.00	7,645.48	7,925.37	7,770.39	24.70	33.10	-74.70	-195.95	-849.30	221.07	174.98	46.10	4.796		
7,750.00	7,688.57	7,943.26	7,782.92	25.07	33.11	-85.71	-194.57	-836.62	187.54	137.89	49.65	3.777		
7,800.00	7,729.30	7,950.15	7,787.69	25.49	33.12	-91.51	-194.07	-831.67	161.73	107.16	54.56	2.964		
7,850.00	7,767.34	7,952.86	7,789.55	25.94	33.13	-94.01	-193.86	-829.70	148.71	90.17	58.54	2.540		
7,864.67	7,777.95	7,952.75	7,789.47	26.09	33.13	-94.06	-193.87	-829.78	147.97	88.85	59.12	2.503 SF		
7,900.00	7,802.41	7,951.01	7,788.28	26.45	33.12	-93.00	-194.00	-831.04	152.20	93.15	59.05	2.577		
7,950.00	7,834.25	7,945.44	7,784.45	27.00	33.12	-88.86	-194.43	-835.06	171.06	114.70	56.36	3.035		
8,000.00	7,862.60	7,936.82	7,778.46	27.59	33.11	-82.01	-195.09	-841.22	200.56	147.70	52.86	3.794		
8,050.00	7,887.26	7,925.55	7,770.52	28.24	33.10	-73.16	-195.93	-849.18	236.19	186.23	49.96	4.728		
8,100.00	7,908.04	7,912.24	7,760.95	28.94	33.10	-63.45	-196.83	-858.38	274.93	227.02	47.91	5.739		
8,150.00	7,924.78	7,897.42	7,750.05	29.68	33.09	-54.07	-197.70	-868.40	315.01	268.43	46.58	6.763		
8,200.00	7,937.35	7,881.33	7,737.96	30.46	33.08	-45.78	-198.48	-878.97	355.37	309.59	45.78	7.762		
8,250.00	7,945.65	7,864.21	7,724.77	31.28	33.07	-38.87	-199.13	-889.88	395.33	349.96	45.36	8.715		
8,300.00	7,949.63	7,843.00	7,708.03	32.12	33.06	-32.98	-199.69	-902.88	434.44	389.39	45.05	9.643		
8,320.64	7,950.00	7,843.00	7,708.03	32.47	33.06	-31.64	-199.69	-902.88	450.27	404.86	45.41	9.916		
8,400.00	7,950.00	7,809.71	7,680.90	33.88	33.05	-29.08	-200.01	-922.17	511.86	466.58	45.27	11.306		
8,500.00	7,950.00	7,778.07	7,654.27	35.75	33.04	-26.83	-199.72	-939.24	592.68	547.16	45.52	13.020		
8,600.00	7,950.00	7,754.00	7,633.48	37.73	33.03	-25.23	-199.11	-951.36	676.39	630.44	45.95	14.720		
8,700.00	7,950.00	7,723.90	7,606.98	39.79	33.02	-23.38	-198.08	-965.60	762.27	716.17	46.10	16.536		
8,800.00	7,950.00	7,700.18	7,585.78	41.92	33.01	-22.04	-197.19	-976.17	849.90	803.53	46.37	18.328		
8,900.00	7,950.00	7,665.00	7,553.81	44.11	32.99	-20.25	-195.74	-990.79	939.17	892.85	46.32	20.274		
9,000.00	7,950.00	7,665.00	7,553.81	46.36	32.99	-20.25	-195.74	-990.79	1,029.25	982.24	47.01	21.892		
9,100.00	7,950.00	7,665.00	7,553.81	48.65	32.99	-20.25	-195.74	-990.79	1,121.02	1,073.45	47.57	23.566		
9,200.00	7,950.00	7,633.45	7,524.59	50.98	32.96	-18.82	-194.45	-1,002.62	1,212.90	1,165.41	47.49	25.540		
9,300.00	7,950.00	7,621.83	7,513.69	53.34	32.95	-18.34	-194.01	-1,006.61	1,306.01	1,258.28	47.74	27.360		
9,400.00	7,950.00	7,611.28	7,503.72	55.74	32.95	-17.91	-193.63	-1,010.07	1,399.81	1,351.85	47.96	29.188		
9,500.00	7,950.00	7,575.00	7,469.07	58.16	32.92	-16.58	-192.46	-1,020.71	1,494.99	1,447.18	47.80	31.273		
9,600.00	7,950.00	7,575.00	7,469.07	60.60	32.92	-16.58	-192.46	-1,020.71	1,589.44	1,541.31	48.13	33.025		
9,700.00	7,950.00	7,575.00	7,469.07	63.06	32.92	-16.58	-192.46	-1,020.71	1,684.54	1,636.13	48.41	34.797		
9,800.00	7,950.00	7,575.00	7,469.07	65.54	32.92	-16.58	-192.46	-1,020.71	1,780.17	1,731.51	48.66	36.584		
9,900.00	7,950.00	7,575.00	7,469.07	68.04	32.92	-16.58	-192.46	-1,020.71	1,876.26	1,827.37	48.88	38.384		
10,000.00	7,950.00	7,575.00	7,469.07	70.55	32.92	-16.58	-192.46	-1,020.71	1,972.73	1,923.65	49.08	40.194		
10,100.00	7,950.00	7,575.00	7,469.07	73.08	32.92	-16.58	-192.46	-1,020.71	2,069.54	2,020.28	49.26	42.012		
10,200.00	7,950.00	7,575.00	7,469.07	75.61	32.92	-16.58	-192.46	-1,020.71	2,166.64	2,117.22	49.43	43.836		
10,300.00	7,950.00	7,541.49	7,436.61	78.16	32.87	-15.50	-191.51	-1,028.98	2,263.08	2,213.79	49.29	45.914		
10,400.00	7,950.00	7,535.56	7,430.83	80.71	32.86	-15.32	-191.36	-1,030.31	2,360.31	2,310.92	49.39	47.786		
10,500.00	7,950.00	7,529.97	7,425.38	83.28	32.86	-15.15	-191.21	-1,031.52	2,457.71	2,408.22	49.49	49.656		
10,600.00	7,950.00	7,524.71	7,420.24	85.85	32.85	-15.00	-191.07	-1,032.63	2,555.27	2,505.68	49.59	51.526		
10,700.00	7,950.00	7,519.74	7,415.38	88.43	32.84	-14.86	-190.95	-1,033.65	2,652.97	2,603.29	49.69	53.394		
10,800.00	7,950.00	7,486.00	7,382.21	91.01	32.80	-13.96	-190.15	-1,039.80	2,751.46	2,701.89	49.57	55.507		

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

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
10,900.00	7,950.00	7,486.00	7,382.21	93.60	32.80	-13.96	-190.15	-1,039.80	2,849.22	2,799.52	49.70	57.331		
11,000.00	7,950.00	7,486.00	7,382.21	96.20	32.80	-13.96	-190.15	-1,039.80	2,947.13	2,897.31	49.82	59.156		
11,100.00	7,950.00	7,486.00	7,382.21	98.80	32.80	-13.96	-190.15	-1,039.80	3,045.18	2,995.24	49.94	60.981		
11,200.00	7,950.00	7,486.00	7,382.21	101.41	32.80	-13.96	-190.15	-1,039.80	3,143.35	3,093.30	50.05	62.805		
11,300.00	7,950.00	7,486.00	7,382.21	104.02	32.80	-13.96	-190.15	-1,039.80	3,241.63	3,191.47	50.16	64.628		
11,400.00	7,950.00	7,486.00	7,382.21	106.63	32.80	-13.96	-190.15	-1,039.80	3,340.01	3,289.75	50.26	66.450		
11,500.00	7,950.00	7,486.00	7,382.21	109.25	32.80	-13.96	-190.15	-1,039.80	3,438.49	3,388.12	50.37	68.271		
11,600.00	7,950.00	7,486.00	7,382.21	111.88	32.80	-13.96	-190.15	-1,039.80	3,537.05	3,486.58	50.47	70.089		
11,700.00	7,950.00	7,486.00	7,382.21	114.50	32.80	-13.96	-190.15	-1,039.80	3,635.69	3,585.12	50.56	71.904		
11,800.00	7,950.00	7,486.00	7,382.21	117.13	32.80	-13.96	-190.15	-1,039.80	3,734.40	3,683.74	50.66	73.717		
11,900.00	7,950.00	7,486.00	7,382.21	119.76	32.80	-13.96	-190.15	-1,039.80	3,833.18	3,782.43	50.75	75.527		
12,000.00	7,950.00	7,486.00	7,382.21	122.39	32.80	-13.96	-190.15	-1,039.80	3,932.02	3,881.17	50.85	77.333		
12,100.00	7,950.00	7,486.00	7,382.21	125.03	32.80	-13.96	-190.15	-1,039.80	4,030.92	3,979.98	50.94	79.136		
12,200.00	7,950.00	7,486.00	7,382.21	127.67	32.80	-13.96	-190.15	-1,039.80	4,129.87	4,078.84	51.03	80.935		
12,300.00	7,950.00	7,486.00	7,382.21	130.31	32.80	-13.96	-190.15	-1,039.80	4,228.87	4,177.75	51.12	82.730		
12,400.00	7,950.00	7,486.00	7,382.21	132.95	32.80	-13.96	-190.15	-1,039.80	4,327.92	4,276.71	51.21	84.520		
12,500.00	7,950.00	7,486.00	7,382.21	135.60	32.80	-13.96	-190.15	-1,039.80	4,427.01	4,375.71	51.29	86.307		
12,600.00	7,950.00	7,486.00	7,382.21	138.24	32.80	-13.96	-190.15	-1,039.80	4,526.13	4,474.75	51.38	88.089		
12,700.00	7,950.00	7,486.00	7,382.21	140.89	32.80	-13.96	-190.15	-1,039.80	4,625.30	4,573.83	51.47	89.866		
12,800.00	7,950.00	7,486.00	7,382.21	143.54	32.80	-13.96	-190.15	-1,039.80	4,724.50	4,672.95	51.56	91.638		
12,900.00	7,950.00	7,486.00	7,382.21	146.19	32.80	-13.96	-190.15	-1,039.80	4,823.74	4,772.10	51.64	93.406		
13,000.00	7,950.00	7,486.00	7,382.21	148.84	32.80	-13.96	-190.15	-1,039.80	4,923.00	4,871.28	51.73	95.168		
13,100.00	7,950.00	7,486.00	7,382.21	151.50	32.80	-13.96	-190.15	-1,039.80	5,022.30	4,970.48	51.82	96.926		
13,200.00	7,950.00	7,486.00	7,382.21	154.15	32.80	-13.96	-190.15	-1,039.80	5,121.62	5,069.72	51.90	98.678		
13,300.00	7,950.00	7,486.00	7,382.21	156.81	32.80	-13.96	-190.15	-1,039.80	5,220.97	5,168.98	51.99	100.424		
13,400.00	7,950.00	7,486.00	7,382.21	159.47	32.80	-13.96	-190.15	-1,039.80	5,320.34	5,268.27	52.08	102.165		
13,500.00	7,950.00	7,486.00	7,382.21	162.13	32.80	-13.96	-190.15	-1,039.80	5,419.74	5,367.58	52.16	103.900		
13,600.00	7,950.00	7,486.00	7,382.21	164.79	32.80	-13.96	-190.15	-1,039.80	5,519.16	5,466.91	52.25	105.630		
13,700.00	7,950.00	7,447.05	7,343.63	167.45	32.72	-13.04	-189.41	-1,045.07	5,617.40	5,565.23	52.16	107.689		
13,800.00	7,950.00	7,445.85	7,342.44	170.11	32.72	-13.01	-189.39	-1,045.20	5,716.78	5,664.53	52.25	109.419		
13,900.00	7,950.00	7,444.68	7,341.28	172.77	32.72	-12.99	-189.38	-1,045.32	5,816.19	5,763.85	52.33	111.142		
14,000.00	7,950.00	7,443.55	7,340.16	175.44	32.71	-12.96	-189.36	-1,045.44	5,915.61	5,863.19	52.42	112.860		
14,100.00	7,950.00	7,442.46	7,339.07	178.10	32.71	-12.94	-189.34	-1,045.55	6,015.05	5,962.55	52.50	114.571		
14,200.00	7,950.00	7,441.39	7,338.01	180.77	32.71	-12.92	-189.33	-1,045.66	6,114.50	6,061.92	52.59	116.275		
14,300.00	7,950.00	7,440.36	7,336.98	183.43	32.71	-12.89	-189.31	-1,045.76	6,213.98	6,161.30	52.67	117.974		
14,400.00	7,950.00	7,439.35	7,335.98	186.10	32.71	-12.87	-189.30	-1,045.86	6,313.46	6,260.70	52.76	119.665		
14,500.00	7,950.00	7,438.38	7,335.01	188.77	32.70	-12.85	-189.29	-1,045.96	6,412.96	6,360.12	52.85	121.351		
14,600.00	7,950.00	7,437.43	7,334.06	191.43	32.70	-12.83	-189.27	-1,046.05	6,512.48	6,459.54	52.93	123.030		
14,700.00	7,950.00	7,436.50	7,333.14	194.10	32.70	-12.81	-189.26	-1,046.13	6,612.01	6,558.98	53.02	124.702		
14,800.00	7,950.00	7,397.00	7,293.73	196.77	32.62	-12.04	-188.86	-1,048.74	6,712.70	6,659.75	52.96	126.757		
14,900.00	7,950.00	7,397.00	7,293.73	199.44	32.62	-12.04	-188.86	-1,048.74	6,812.20	6,759.15	53.05	128.408		
15,000.00	7,950.00	7,397.00	7,293.73	202.11	32.62	-12.04	-188.86	-1,048.74	6,911.72	6,858.57	53.15	130.053		
15,100.00	7,950.00	7,397.00	7,293.73	204.78	32.62	-12.04	-188.86	-1,048.74	7,011.25	6,958.01	53.24	131.691		
15,200.00	7,950.00	7,397.00	7,293.73	207.45	32.62	-12.04	-188.86	-1,048.74	7,110.79	7,057.45	53.34	133.323		
15,300.00	7,950.00	7,397.00	7,293.73	210.13	32.62	-12.04	-188.86	-1,048.74	7,210.34	7,156.91	53.43	134.948		
15,400.00	7,950.00	7,397.00	7,293.73	212.80	32.62	-12.04	-188.86	-1,048.74	7,309.91	7,256.38	53.53	136.567		
15,500.00	7,950.00	7,397.00	7,293.73	215.47	32.62	-12.04	-188.86	-1,048.74	7,409.49	7,355.87	53.62	138.178		
15,600.00	7,950.00	7,397.00	7,293.73	218.15	32.62	-12.04	-188.86	-1,048.74	7,509.08	7,455.36	53.72	139.784		
15,700.00	7,950.00	7,397.00	7,293.73	220.82	32.62	-12.04	-188.86	-1,048.74	7,608.68	7,554.86	53.82	141.382		
15,800.00	7,950.00	7,397.00	7,293.73	223.49	32.62	-12.04	-188.86	-1,048.74	7,708.29	7,654.37	53.91	142.974		
15,900.00	7,950.00	7,397.00	7,293.73	226.17	32.62	-12.04	-188.86	-1,048.74	7,807.91	7,753.90	54.01	144.559		
16,000.00	7,950.00	7,397.00	7,293.73	228.84	32.62	-12.04	-188.86	-1,048.74	7,907.54	7,853.43	54.11	146.137		

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

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
16,100.00	7,950.00	7,397.00	7,293.73	231.52	32.62	-12.04	-188.86	-1,048.74	8,007.18	7,952.97	54.21	147.708		
16,200.00	7,950.00	7,397.00	7,293.73	234.20	32.62	-12.04	-188.86	-1,048.74	8,106.83	8,052.52	54.31	149.273		
16,300.00	7,950.00	7,397.00	7,293.73	236.87	32.62	-12.04	-188.86	-1,048.74	8,206.48	8,152.07	54.41	150.830		
16,400.00	7,950.00	7,397.00	7,293.73	239.55	32.62	-12.04	-188.86	-1,048.74	8,306.15	8,251.64	54.51	152.381		
16,500.00	7,950.00	7,397.00	7,293.73	242.22	32.62	-12.04	-188.86	-1,048.74	8,405.82	8,351.21	54.61	153.925		
16,600.00	7,950.00	7,397.00	7,293.73	244.90	32.62	-12.04	-188.86	-1,048.74	8,505.50	8,450.79	54.71	155.462		
16,700.00	7,950.00	7,397.00	7,293.73	247.58	32.62	-12.04	-188.86	-1,048.74	8,605.19	8,550.38	54.81	156.992		
16,800.00	7,950.00	7,397.00	7,293.73	250.26	32.62	-12.04	-188.86	-1,048.74	8,704.88	8,649.97	54.91	158.516		
16,900.00	7,950.00	7,397.00	7,293.73	252.94	32.62	-12.04	-188.86	-1,048.74	8,804.59	8,749.57	55.02	160.032		
17,000.00	7,950.00	7,397.00	7,293.73	255.61	32.62	-12.04	-188.86	-1,048.74	8,904.29	8,849.17	55.12	161.541		
17,100.00	7,950.00	7,397.00	7,293.73	258.29	32.62	-12.04	-188.86	-1,048.74	9,004.01	8,948.79	55.22	163.044		
17,200.00	7,950.00	7,397.00	7,293.73	260.97	32.62	-12.04	-188.86	-1,048.74	9,103.73	9,048.40	55.33	164.540		
17,300.00	7,950.00	7,397.00	7,293.73	263.65	32.62	-12.04	-188.86	-1,048.74	9,203.46	9,148.03	55.43	166.028		
17,400.00	7,950.00	7,397.00	7,293.73	266.33	32.62	-12.04	-188.86	-1,048.74	9,303.19	9,247.65	55.54	167.510		
17,500.00	7,950.00	7,397.00	7,293.73	269.01	32.62	-12.04	-188.86	-1,048.74	9,402.93	9,347.29	55.64	168.985		
17,600.00	7,950.00	7,397.00	7,293.73	271.69	32.62	-12.04	-188.86	-1,048.74	9,502.68	9,446.93	55.75	170.453		
17,700.00	7,950.00	7,397.00	7,293.73	274.37	32.62	-12.04	-188.86	-1,048.74	9,602.42	9,546.57	55.86	171.914		
17,800.00	7,950.00	7,397.00	7,293.73	277.05	32.62	-12.04	-188.86	-1,048.74	9,702.18	9,646.22	55.96	173.369		
17,900.00	7,950.00	7,397.00	7,293.73	279.73	32.62	-12.04	-188.86	-1,048.74	9,801.94	9,745.87	56.07	174.816		
18,000.00	7,950.00	7,397.00	7,293.73	282.41	32.62	-12.04	-188.86	-1,048.74	9,901.70	9,845.53	56.18	176.256		

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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
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	
0.00	0.00	4.70	4.70	0.00	0.00	141.60	-97.98	77.67	125.03					
29.48	29.48	33.68	33.68	0.01	0.04	-20.61	-98.01	77.68	125.03	124.99	0.05	2,699.199		
60.08	60.08	64.40	64.40	0.12	0.14	-69.34	-98.13	77.69	125.04	124.78	0.26	474.538		
62.62	62.62	66.89	66.89	0.13	0.15	-69.82	-98.14	77.69	125.04	124.76	0.28	444.187		
90.68	90.68	94.55	94.54	0.23	0.25	-76.06	-98.35	77.68	125.12	124.64	0.48	260.119		
121.28	121.28	125.67	125.67	0.34	0.36	-75.05	-98.65	77.51	125.19	124.49	0.70	178.439		
151.88	151.88	156.25	156.25	0.45	0.47	-49.62	-98.90	77.31	125.17	124.25	0.92	135.991		
160.05	160.05	164.32	164.31	0.48	0.50	-63.83	-98.96	77.27	125.16	124.18	0.98	127.900		
182.48	182.47	186.53	186.52	0.56	0.58	-84.67	-99.17	77.17	125.21	124.07	1.14	109.981		
213.08	213.07	217.27	217.26	0.67	0.69	-86.01	-99.53	76.95	125.32	123.96	1.36	92.252		
243.68	243.67	248.06	248.04	0.78	0.80	-84.98	-99.87	76.67	125.37	123.80	1.58	79.420		
286.38	286.36	290.36	290.33	0.93	0.95	-99.55	-100.51	76.14	125.60	123.71	1.88	66.668 ES		
329.08	329.05	332.55	332.51	1.08	1.11	-106.49	-101.59	75.32	126.17	123.98	2.19	57.616		
371.78	371.73	375.30	375.22	1.24	1.26	-111.67	-103.05	74.13	126.99	124.50	2.50	50.829		
414.48	414.41	417.65	417.50	1.39	1.42	-123.54	-104.84	72.59	128.15	125.34	2.81	45.649		
457.18	457.07	460.23	459.99	1.54	1.58	-134.34	-106.97	70.72	129.77	126.65	3.12	41.621		
499.88	499.73	502.66	502.28	1.70	1.73	-134.39	-109.46	68.40	131.79	128.36	3.43	38.425		
542.58	542.37	544.46	543.88	1.85	1.89	-132.78	-112.46	65.64	134.23	130.48	3.74	35.862		
585.28	584.99	586.74	585.88	2.00	2.06	-133.75	-115.98	62.42	137.07	133.01	4.06	33.757		
627.98	627.61	629.44	628.26	2.16	2.23	-130.52	-119.80	58.76	140.04	135.66	4.38	31.956		
670.68	670.24	671.30	669.73	2.31	2.40	-122.01	-123.88	54.75	142.88	138.18	4.70	30.380		
713.38	712.89	713.35	711.29	2.47	2.57	-119.46	-128.41	50.24	145.61	140.58	5.03	28.962		
756.08	755.57	755.17	752.52	2.62	2.75	-122.68	-133.30	45.27	148.39	143.03	5.35	27.718		
798.78	798.26	797.85	794.51	2.78	2.94	-126.30	-138.52	39.70	151.23	145.55	5.68	26.606		
841.48	840.95	839.01	834.90	2.93	3.12	-151.81	-143.82	33.80	154.29	148.28	6.01	25.682		
884.18	883.65	879.63	874.61	3.08	3.31	-138.57	-149.52	27.47	157.87	151.54	6.33	24.948		
926.88	926.35	921.29	915.24	3.23	3.51	-128.18	-155.68	20.57	161.98	155.32	6.66	24.337		
969.58	969.05	961.06	953.90	3.38	3.70	-85.51	-161.82	13.61	166.62	159.65	6.97	23.901		
1,012.28	1,011.75	1,002.74	994.31	3.53	3.91	-139.79	-168.64	5.97	172.11	164.81	7.30	23.582		
1,054.98	1,054.45	1,042.95	1,033.24	3.68	4.12	-111.34	-175.23	-1.60	178.13	170.52	7.61	23.397		
1,097.68	1,097.15	1,083.64	1,072.62	3.84	4.33	-55.93	-182.20	-9.13	184.62	176.69	7.93	23.289		
1,140.38	1,139.85	1,126.11	1,113.78	3.99	4.55	-95.47	-189.43	-16.70	191.39	183.13	8.25	23.189		
1,183.08	1,182.55	1,166.86	1,153.24	4.14	4.77	-97.77	-196.21	-24.25	198.43	189.86	8.57	23.165		
1,225.78	1,225.24	1,208.33	1,193.28	4.29	4.99	-88.23	-203.31	-32.41	205.99	197.11	8.88	23.192		
1,268.48	1,267.94	1,250.10	1,233.64	4.44	5.22	142.93	-210.26	-40.65	213.80	204.61	9.19	23.256		
1,311.18	1,310.64	1,291.85	1,274.05	4.58	5.44	160.49	-217.23	-48.47	222.10	212.60	9.50	23.387		
1,353.88	1,353.34	1,333.16	1,314.17	4.72	5.66	150.14	-224.08	-55.56	230.56	220.77	9.79	23.540		
1,396.58	1,396.03	1,374.12	1,353.95	4.87	5.88	169.30	-231.01	-62.41	239.46	229.37	10.09	23.736		
1,439.28	1,438.72	1,417.40	1,396.05	5.01	6.10	148.09	-238.31	-69.29	248.49	238.09	10.40	23.892		
1,481.98	1,481.42	1,460.57	1,438.17	5.15	6.33	164.06	-245.19	-75.80	257.07	246.36	10.71	24.005		
1,524.68	1,524.11	1,501.17	1,477.80	5.30	6.53	155.04	-251.70	-81.71	265.69	254.70	11.00	24.158		
1,567.38	1,566.81	1,542.82	1,518.41	5.44	6.75	172.00	-258.50	-88.01	274.58	263.28	11.30	24.306		
1,610.08	1,609.51	1,585.04	1,559.62	5.59	6.96	150.60	-265.19	-94.24	283.25	271.65	11.60	24.420		
1,652.78	1,652.20	1,626.19	1,599.80	5.73	7.17	120.04	-271.92	-100.09	291.99	280.10	11.89	24.557		
1,695.48	1,694.90	1,668.93	1,641.56	5.88	7.39	126.55	-278.75	-106.10	300.50	288.31	12.19	24.645		
1,738.18	1,737.60	1,711.49	1,683.15	6.02	7.61	126.23	-285.54	-112.04	309.00	296.50	12.50	24.727		
1,780.88	1,780.30	1,753.71	1,724.42	6.17	7.82	100.13	-291.86	-118.30	317.18	304.38	12.80	24.786		
1,823.58	1,823.00	1,792.20	1,762.00	6.31	8.02	105.64	-297.92	-124.06	325.67	312.61	13.07	24.921		
1,866.28	1,865.69	1,832.83	1,801.63	6.46	8.23	107.04	-304.58	-130.06	334.50	321.14	13.36	25.041		
1,908.98	1,908.39	1,873.81	1,841.56	6.60	8.44	116.89	-311.24	-136.42	343.51	329.86	13.65	25.164		
1,951.68	1,951.09	1,912.61	1,879.29	6.75	8.65	110.51	-317.63	-142.79	352.80	338.88	13.93	25.333		
1,994.38	1,993.78	1,952.65	1,918.19	6.89	8.86	116.44	-324.42	-149.46	362.39	348.17	14.21	25.496		

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

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
2,037.08	2,036.48	1,991.52	1,955.90	7.04	9.07	113.19	-331.18	-156.01	372.29	357.80	14.49	25.692		
2,079.78	2,079.17	2,032.00	1,995.12	7.19	9.30	97.25	-338.36	-162.99	382.31	367.53	14.78	25.864		
2,122.48	2,121.87	2,069.80	2,031.70	7.33	9.51	120.30	-345.24	-169.55	392.62	377.57	15.05	26.088		
2,177.48	2,176.86	2,128.45	2,088.49	7.43	9.83	121.12	-356.03	-179.51	406.15	390.76	15.40	26.381		
2,200.00	2,199.38	2,149.34	2,108.76	7.43	9.94	123.90	-359.77	-182.95	411.51	396.04	15.47	26.597		
2,300.00	2,299.37	2,248.37	2,204.90	7.45	10.48	-61.45	-377.46	-198.69	434.10	418.22	15.88	27.334		
2,400.00	2,399.27	2,346.26	2,299.95	7.48	11.02	-59.74	-394.44	-214.88	454.85	438.54	16.30	27.897		
2,500.00	2,498.95	2,445.23	2,395.96	7.54	11.56	-58.99	-411.08	-232.18	473.80	457.04	16.76	28.266		
2,599.85	2,598.15	2,542.98	2,490.83	7.62	12.09	-58.76	-427.31	-249.21	490.73	473.49	17.24	28.458		
2,700.00	2,697.44	2,641.55	2,586.41	7.72	12.63	-59.10	-443.99	-266.62	507.22	489.46	17.76	28.558		
2,800.00	2,796.58	2,739.17	2,681.10	7.85	13.17	-59.40	-460.31	-283.87	523.52	505.23	18.29	28.618		
2,900.00	2,895.72	2,841.59	2,780.44	7.99	13.73	-59.70	-477.49	-301.94	539.88	521.00	18.88	28.595		
3,000.00	2,994.86	2,937.75	2,873.79	8.16	14.26	-59.97	-493.28	-318.76	555.86	536.42	19.44	28.593		
3,100.00	3,094.00	3,038.54	2,971.64	8.34	14.81	-60.28	-510.18	-336.04	572.01	551.96	20.05	28.528		
3,200.00	3,193.14	3,130.78	3,061.14	8.54	15.31	-60.61	-526.30	-351.44	588.63	568.01	20.62	28.548		
3,300.00	3,292.28	3,234.26	3,161.53	8.76	15.88	-60.94	-544.25	-369.00	605.27	583.98	21.28	28.439		
3,400.00	3,391.42	3,335.31	3,259.73	8.99	16.43	-61.25	-561.19	-385.74	621.22	599.28	21.94	28.312		
3,500.00	3,490.56	3,432.89	3,354.60	9.23	16.96	-61.57	-577.73	-401.53	637.20	614.61	22.59	28.207		
3,600.00	3,589.70	3,534.17	3,453.12	9.49	17.50	-61.96	-595.19	-417.24	653.21	629.93	23.28	28.062		
3,700.00	3,688.84	3,635.97	3,552.26	9.76	18.04	-62.31	-612.08	-432.99	668.61	644.63	23.98	27.885		
3,800.00	3,787.98	3,729.01	3,642.82	10.04	18.54	-62.58	-627.48	-447.78	684.18	659.55	24.63	27.776		
3,900.00	3,887.12	3,846.91	3,757.53	10.33	19.17	-62.70	-645.11	-468.43	698.91	673.46	25.45	27.462		
4,000.00	3,986.26	3,932.78	3,841.18	10.62	19.62	-62.82	-657.81	-483.08	713.30	687.22	26.08	27.352		
4,100.00	4,085.40	4,030.35	3,936.18	10.93	20.14	-63.05	-673.59	-498.74	728.59	701.80	26.79	27.197		
4,200.00	4,184.54	4,126.69	4,029.92	11.24	20.66	-63.27	-689.42	-514.31	744.17	716.67	27.50	27.061		
4,300.00	4,283.68	4,223.11	4,123.67	11.56	21.18	-63.46	-705.36	-530.27	760.02	731.80	28.22	26.933		
4,400.00	4,382.82	4,320.53	4,218.34	11.89	21.71	-63.68	-721.99	-546.08	776.26	747.31	28.95	26.811		
4,500.00	4,481.97	4,421.30	4,316.32	12.22	22.25	-63.90	-738.99	-562.40	792.30	762.59	29.71	26.664		
4,600.00	4,581.11	4,514.65	4,407.13	12.56	22.75	-64.15	-755.09	-576.82	808.45	778.02	30.43	26.568		
4,700.00	4,680.25	4,617.19	4,506.91	12.90	23.30	-64.55	-773.98	-591.01	825.13	793.91	31.22	26.429		
4,800.00	4,779.39	4,720.54	4,607.44	13.25	23.85	-64.73	-791.15	-607.69	840.95	808.94	32.01	26.269		
4,900.00	4,878.53	4,823.52	4,707.65	13.60	24.41	-64.86	-807.56	-624.86	856.33	823.53	32.81	26.103		
5,000.00	4,977.67	4,914.57	4,796.15	13.96	24.90	-64.96	-822.27	-640.37	872.05	838.52	33.53	26.010		
5,100.00	5,076.81	5,015.76	4,894.59	14.32	25.44	-65.13	-839.16	-656.63	887.93	853.61	34.32	25.872		
5,200.00	5,175.95	5,115.21	4,991.39	14.68	25.98	-65.30	-855.55	-672.49	903.59	868.48	35.10	25.740		
5,300.00	5,275.09	5,205.58	5,079.27	15.05	26.47	-65.43	-870.58	-687.24	919.54	883.71	35.83	25.663		
5,400.00	5,374.23	5,292.91	5,163.90	15.42	26.95	-65.54	-886.21	-702.09	936.90	900.36	36.54	25.640		
5,500.00	5,473.37	5,389.28	5,257.17	15.79	27.49	-65.64	-903.84	-718.75	954.75	917.43	37.32	25.585		
5,600.00	5,572.51	5,483.89	5,348.65	16.16	28.03	-65.73	-921.35	-735.35	972.91	934.83	38.08	25.548		
5,700.00	5,671.65	5,585.25	5,446.59	16.54	28.61	-65.82	-940.27	-753.35	991.29	952.39	38.90	25.483		
5,800.00	5,770.79	5,682.60	5,540.75	16.92	29.16	-65.90	-958.08	-770.44	1,009.26	969.56	39.69	25.428		
5,900.00	5,869.93	5,784.95	5,639.80	17.30	29.74	-66.02	-977.13	-787.84	1,027.33	986.81	40.52	25.353		
6,000.00	5,969.07	5,880.75	5,732.54	17.68	30.27	-66.12	-994.70	-804.25	1,045.19	1,003.89	41.31	25.304		
6,100.00	6,068.21	5,997.98	5,846.26	18.07	30.92	-66.24	-1,015.26	-823.93	1,062.15	1,019.91	42.24	25.146		
6,200.00	6,167.35	6,097.35	5,942.85	18.45	31.46	-66.36	-1,032.16	-840.03	1,078.43	1,035.38	43.05	25.051		
6,300.00	6,266.49	6,199.01	6,041.70	18.84	32.01	-66.47	-1,049.20	-856.56	1,094.51	1,050.64	43.88	24.945		
6,400.00	6,365.63	6,300.98	6,140.90	19.23	32.56	-66.58	-1,066.04	-873.05	1,110.32	1,065.62	44.71	24.836		
6,500.00	6,464.77	6,390.93	6,228.39	19.62	33.04	-66.67	-1,080.90	-887.76	1,126.22	1,080.77	45.46	24.775		
6,600.00	6,563.91	6,494.97	6,329.46	20.01	33.61	-66.77	-1,098.65	-904.92	1,142.69	1,096.38	46.31	24.677		
6,700.00	6,663.05	6,596.28	6,428.03	20.40	34.16	-66.87	-1,115.39	-921.23	1,158.50	1,111.36	47.13	24.578		
6,800.00	6,762.19	6,689.80	6,519.02	20.80	34.66	-66.97	-1,131.11	-936.09	1,174.51	1,126.60	47.92	24.512		
6,900.00	6,861.33	6,806.55	6,632.81	21.19	35.27	-67.11	-1,149.91	-954.18	1,189.69	1,140.84	48.84	24.357		

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

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
7,000.00	6,960.47	6,904.19	6,728.11	21.59	35.78	-67.24	-1,165.34	-968.79	1,204.45	1,154.80	49.65	24.257		
7,100.00	7,059.61	6,993.83	6,815.56	21.99	36.25	-67.37	-1,179.70	-982.22	1,219.46	1,169.04	50.41	24.189		
7,200.00	7,158.75	7,085.42	6,904.68	22.38	36.74	-67.47	-1,195.25	-996.56	1,235.56	1,184.38	51.19	24.139		
7,300.00	7,257.89	7,185.02	7,001.62	22.78	37.28	-67.58	-1,212.01	-1,012.11	1,251.53	1,199.52	52.01	24.062		
7,400.00	7,357.03	7,288.97	7,102.79	23.18	37.83	-67.69	-1,229.51	-1,028.42	1,267.54	1,214.67	52.87	23.976		
7,495.63	7,451.84	7,376.89	7,188.58	23.57	38.28	-67.89	-1,244.87	-1,039.77	1,282.63	1,229.02	53.61	23.926		
7,500.00	7,456.17	7,380.70	7,192.30	23.58	38.30	-68.07	-1,245.60	-1,040.11	1,283.33	1,229.69	53.64	23.924		
7,550.00	7,505.33	7,470.71	7,280.49	23.81	38.69	-69.71	-1,263.14	-1,043.40	1,290.25	1,235.90	54.35	23.741		
7,600.00	7,553.51	7,714.42	7,516.64	24.06	39.25	-75.04	-1,300.97	-1,003.00	1,292.75	1,237.20	55.55	23.273		
7,650.00	7,600.34	7,768.12	7,566.35	24.36	39.30	-77.28	-1,306.87	-983.60	1,289.94	1,233.75	56.19	22.956		
7,700.00	7,645.48	7,786.21	7,582.77	24.70	39.31	-78.39	-1,309.08	-976.36	1,287.33	1,230.50	56.82	22.655		
7,750.00	7,688.57	7,806.35	7,600.85	25.07	39.32	-79.49	-1,311.68	-967.88	1,285.31	1,227.80	57.51	22.348		
7,800.00	7,729.30	7,822.60	7,615.29	25.49	39.33	-80.36	-1,313.90	-960.74	1,284.15	1,225.91	58.24	22.050		
7,830.53	7,752.86	7,830.70	7,622.43	25.76	39.33	-80.77	-1,315.06	-957.09	1,283.94	1,225.24	58.70	21.873		
7,850.00	7,767.34	7,844.00	7,634.06	25.94	39.34	-81.35	-1,317.02	-950.95	1,284.08	1,225.04	59.04	21.750		
7,900.00	7,802.41	7,844.61	7,634.59	26.45	39.34	-81.34	-1,317.11	-950.66	1,285.09	1,225.32	59.77	21.499		
7,950.00	7,834.25	7,855.95	7,644.41	27.00	39.34	-81.66	-1,318.80	-945.24	1,287.40	1,226.78	60.61	21.239		
8,000.00	7,862.60	7,860.68	7,648.47	27.59	39.34	-81.55	-1,319.50	-942.93	1,291.01	1,229.55	61.46	21.007		
8,050.00	7,887.26	7,860.41	7,648.24	28.24	39.34	-81.08	-1,319.46	-943.06	1,295.94	1,233.64	62.30	20.801		
8,100.00	7,908.04	7,856.30	7,644.70	28.94	39.34	-80.30	-1,318.85	-945.08	1,302.15	1,239.00	63.15	20.620		
8,150.00	7,924.78	7,849.19	7,638.57	29.68	39.34	-79.27	-1,317.79	-948.50	1,309.52	1,245.52	64.01	20.459		
8,200.00	7,937.35	7,844.00	7,634.06	30.46	39.34	-78.22	-1,317.02	-950.95	1,317.94	1,253.03	64.90	20.306		
8,250.00	7,945.65	7,844.00	7,634.06	31.28	39.34	-77.29	-1,317.02	-950.95	1,327.34	1,261.47	65.88	20.149		
8,300.00	7,949.63	7,823.63	7,616.20	32.12	39.33	-75.46	-1,314.05	-960.28	1,337.34	1,270.68	66.66	20.062		
8,320.64	7,950.00	7,819.27	7,612.34	32.47	39.32	-74.86	-1,313.44	-962.23	1,341.69	1,274.66	67.03	20.017		
8,400.00	7,950.00	7,802.66	7,597.56	33.88	39.32	-74.21	-1,311.19	-969.46	1,360.58	1,292.17	68.41	19.887		
8,500.00	7,950.00	7,783.43	7,580.26	35.75	39.31	-73.46	-1,308.73	-977.49	1,389.94	1,319.85	70.09	19.832 SF		
8,600.00	7,950.00	7,755.00	7,554.34	37.73	39.29	-72.34	-1,305.42	-988.68	1,425.28	1,353.76	71.52	19.928		
8,700.00	7,950.00	7,755.00	7,554.34	39.79	39.29	-72.34	-1,305.42	-988.68	1,465.99	1,392.90	73.10	20.056		
8,800.00	7,950.00	7,731.80	7,532.88	41.92	39.27	-71.42	-1,302.87	-997.13	1,511.84	1,437.59	74.26	20.360		
8,900.00	7,950.00	7,716.66	7,518.74	44.11	39.25	-70.82	-1,301.21	-1,002.26	1,562.42	1,487.09	75.34	20.739		
9,000.00	7,950.00	7,703.14	7,506.02	46.36	39.24	-70.28	-1,299.74	-1,006.61	1,617.32	1,541.04	76.28	21.204		
9,100.00	7,950.00	7,690.98	7,494.51	48.65	39.23	-69.80	-1,298.42	-1,010.30	1,676.14	1,599.06	77.08	21.744		
9,200.00	7,950.00	7,666.00	7,470.68	50.98	39.21	-68.80	-1,295.73	-1,017.29	1,738.69	1,661.07	77.63	22.398		
9,300.00	7,950.00	7,666.00	7,470.68	53.34	39.21	-68.80	-1,295.73	-1,017.29	1,804.17	1,725.86	78.31	23.038		
9,400.00	7,950.00	7,666.00	7,470.68	55.74	39.21	-68.80	-1,295.73	-1,017.29	1,872.71	1,793.82	78.89	23.739		
9,500.00	7,950.00	7,645.49	7,450.96	58.16	39.17	-67.98	-1,293.35	-1,022.40	1,943.75	1,864.60	79.15	24.558		
9,600.00	7,950.00	7,634.55	7,440.40	60.60	39.14	-67.54	-1,291.93	-1,024.89	2,017.15	1,937.71	79.43	25.394		
9,700.00	7,950.00	7,624.94	7,431.11	63.06	39.13	-67.15	-1,290.60	-1,026.94	2,092.64	2,012.97	79.67	26.267		
9,800.00	7,950.00	7,616.45	7,422.88	65.54	39.11	-66.81	-1,289.36	-1,028.64	2,170.03	2,090.17	79.86	27.174		
9,900.00	7,950.00	7,608.88	7,415.54	68.04	39.10	-66.50	-1,288.21	-1,030.07	2,249.13	2,169.13	80.00	28.113		
10,000.00	7,950.00	7,602.10	7,408.96	70.55	39.08	-66.23	-1,287.13	-1,031.28	2,329.79	2,249.67	80.12	29.078		
10,100.00	7,950.00	7,577.00	7,384.55	73.08	39.03	-65.22	-1,282.82	-1,035.21	2,412.06	2,332.07	79.99	30.155		
10,200.00	7,950.00	7,577.00	7,384.55	75.61	39.03	-65.22	-1,282.82	-1,035.21	2,495.28	2,415.16	80.12	31.144		
10,300.00	7,950.00	7,577.00	7,384.55	78.16	39.03	-65.22	-1,282.82	-1,035.21	2,579.70	2,499.47	80.23	32.156		
10,400.00	7,950.00	7,577.00	7,384.55	80.71	39.03	-65.22	-1,282.82	-1,035.21	2,665.19	2,584.88	80.31	33.188		
10,500.00	7,950.00	7,577.00	7,384.55	83.28	39.03	-65.22	-1,282.82	-1,035.21	2,751.66	2,671.29	80.37	34.237		
10,600.00	7,950.00	7,577.00	7,384.55	85.85	39.03	-65.22	-1,282.82	-1,035.21	2,839.02	2,758.60	80.42	35.304		
10,700.00	7,950.00	7,577.00	7,384.55	88.43	39.03	-65.22	-1,282.82	-1,035.21	2,927.19	2,846.74	80.45	36.385		
10,800.00	7,950.00	7,577.00	7,384.55	91.01	39.03	-65.22	-1,282.82	-1,035.21	3,016.10	2,935.62	80.48	37.479		
10,900.00	7,950.00	7,577.00	7,384.55	93.60	39.03	-65.22	-1,282.82	-1,035.21	3,105.68	3,025.19	80.49	38.585		
11,000.00	7,950.00	7,577.00	7,384.55	96.20	39.03	-65.22	-1,282.82	-1,035.21	3,195.88	3,115.39	80.50	39.702		

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



# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
11,100.00	7,950.00	7,577.00	7,384.55	98.80	39.03	-65.22	-1,282.82	-1,035.21	3,286.65	3,206.15	80.50	40.829		
11,200.00	7,950.00	7,577.00	7,384.55	101.41	39.03	-65.22	-1,282.82	-1,035.21	3,377.94	3,297.44	80.50	41.964		
11,300.00	7,950.00	7,577.00	7,384.55	104.02	39.03	-65.22	-1,282.82	-1,035.21	3,469.71	3,389.22	80.49	43.108		
11,400.00	7,950.00	7,577.00	7,384.55	106.63	39.03	-65.22	-1,282.82	-1,035.21	3,561.92	3,481.44	80.48	44.259		
11,500.00	7,950.00	7,577.00	7,384.55	109.25	39.03	-65.22	-1,282.82	-1,035.21	3,654.54	3,574.08	80.47	45.417		
11,600.00	7,950.00	7,577.00	7,384.55	111.88	39.03	-65.22	-1,282.82	-1,035.21	3,747.55	3,667.09	80.45	46.581		
11,700.00	7,950.00	7,577.00	7,384.55	114.50	39.03	-65.22	-1,282.82	-1,035.21	3,840.90	3,760.46	80.44	47.751		
11,800.00	7,950.00	7,577.00	7,384.55	117.13	39.03	-65.22	-1,282.82	-1,035.21	3,934.58	3,854.16	80.42	48.925		
11,900.00	7,950.00	7,540.70	7,349.12	119.76	38.92	-63.75	-1,276.17	-1,039.48	4,027.68	3,947.66	80.03	50.330		
12,000.00	7,950.00	7,538.94	7,347.40	122.39	38.92	-63.68	-1,275.85	-1,039.64	4,121.87	4,041.87	79.99	51.528		
12,100.00	7,950.00	7,537.26	7,345.75	125.03	38.91	-63.61	-1,275.53	-1,039.80	4,216.31	4,136.35	79.96	52.729		
12,200.00	7,950.00	7,535.64	7,344.17	127.67	38.91	-63.55	-1,275.24	-1,039.95	4,311.00	4,231.07	79.93	53.933		
12,300.00	7,950.00	7,534.09	7,342.65	130.31	38.90	-63.49	-1,274.95	-1,040.09	4,405.93	4,326.02	79.90	55.141		
12,400.00	7,950.00	7,532.59	7,341.19	132.95	38.90	-63.43	-1,274.67	-1,040.22	4,501.07	4,421.19	79.88	56.350		
12,500.00	7,950.00	7,531.15	7,339.78	135.60	38.89	-63.37	-1,274.41	-1,040.34	4,596.41	4,516.56	79.85	57.563		
12,600.00	7,950.00	7,529.77	7,338.42	138.24	38.89	-63.32	-1,274.15	-1,040.46	4,691.95	4,612.12	79.83	58.777		
12,700.00	7,950.00	7,528.44	7,337.12	140.89	38.88	-63.26	-1,273.91	-1,040.57	4,787.66	4,707.86	79.80	59.993		
12,800.00	7,950.00	7,527.16	7,335.86	143.54	38.88	-63.21	-1,273.67	-1,040.68	4,883.55	4,803.76	79.78	61.211		
12,900.00	7,950.00	7,525.92	7,334.65	146.19	38.88	-63.16	-1,273.44	-1,040.78	4,979.59	4,899.83	79.76	62.430		
13,000.00	7,950.00	7,524.72	7,333.48	148.84	38.87	-63.11	-1,273.22	-1,040.87	5,075.79	4,996.04	79.74	63.651		
13,100.00	7,950.00	7,487.00	7,296.48	151.50	38.76	-61.62	-1,266.20	-1,042.99	5,173.00	5,093.64	79.36	65.186		
13,200.00	7,950.00	7,487.00	7,296.48	154.15	38.76	-61.62	-1,266.20	-1,042.99	5,269.42	5,190.06	79.36	66.402		
13,300.00	7,950.00	7,487.00	7,296.48	156.81	38.76	-61.62	-1,266.20	-1,042.99	5,365.97	5,286.61	79.36	67.619		
13,400.00	7,950.00	7,487.00	7,296.48	159.47	38.76	-61.62	-1,266.20	-1,042.99	5,462.64	5,383.29	79.36	68.837		
13,500.00	7,950.00	7,487.00	7,296.48	162.13	38.76	-61.62	-1,266.20	-1,042.99	5,559.44	5,480.08	79.36	70.055		
13,600.00	7,950.00	7,487.00	7,296.48	164.79	38.76	-61.62	-1,266.20	-1,042.99	5,656.34	5,576.98	79.36	71.273		
13,700.00	7,950.00	7,487.00	7,296.48	167.45	38.76	-61.62	-1,266.20	-1,042.99	5,753.35	5,673.98	79.37	72.492		
13,800.00	7,950.00	7,487.00	7,296.48	170.11	38.76	-61.62	-1,266.20	-1,042.99	5,850.46	5,771.09	79.37	73.710		
13,900.00	7,950.00	7,487.00	7,296.48	172.77	38.76	-61.62	-1,266.20	-1,042.99	5,947.66	5,868.29	79.38	74.928		
14,000.00	7,950.00	7,487.00	7,296.48	175.44	38.76	-61.62	-1,266.20	-1,042.99	6,044.96	5,965.58	79.39	76.147		
14,100.00	7,950.00	7,487.00	7,296.48	178.10	38.76	-61.62	-1,266.20	-1,042.99	6,142.35	6,062.95	79.39	77.364		
14,200.00	7,950.00	7,487.00	7,296.48	180.77	38.76	-61.62	-1,266.20	-1,042.99	6,239.81	6,160.41	79.41	78.582		
14,300.00	7,950.00	7,487.00	7,296.48	183.43	38.76	-61.62	-1,266.20	-1,042.99	6,337.36	6,257.94	79.42	79.799		
14,400.00	7,950.00	7,487.00	7,296.48	186.10	38.76	-61.62	-1,266.20	-1,042.99	6,434.98	6,355.55	79.43	81.015		
14,500.00	7,950.00	7,487.00	7,296.48	188.77	38.76	-61.62	-1,266.20	-1,042.99	6,532.67	6,453.23	79.44	82.231		
14,600.00	7,950.00	7,487.00	7,296.48	191.43	38.76	-61.62	-1,266.20	-1,042.99	6,630.43	6,550.98	79.46	83.445		
14,700.00	7,950.00	7,487.00	7,296.48	194.10	38.76	-61.62	-1,266.20	-1,042.99	6,728.26	6,648.79	79.47	84.659		
14,800.00	7,950.00	7,487.00	7,296.48	196.77	38.76	-61.62	-1,266.20	-1,042.99	6,826.15	6,746.66	79.49	85.872		
14,900.00	7,950.00	7,487.00	7,296.48	199.44	38.76	-61.62	-1,266.20	-1,042.99	6,924.10	6,844.59	79.51	87.084		
15,000.00	7,950.00	7,487.00	7,296.48	202.11	38.76	-61.62	-1,266.20	-1,042.99	7,022.11	6,942.58	79.53	88.295		
15,100.00	7,950.00	7,487.00	7,296.48	204.78	38.76	-61.62	-1,266.20	-1,042.99	7,120.18	7,040.62	79.55	89.504		
15,200.00	7,950.00	7,487.00	7,296.48	207.45	38.76	-61.62	-1,266.20	-1,042.99	7,218.29	7,138.72	79.57	90.713		
15,300.00	7,950.00	7,487.00	7,296.48	210.13	38.76	-61.62	-1,266.20	-1,042.99	7,316.46	7,236.86	79.60	91.920		
15,400.00	7,950.00	7,487.00	7,296.48	212.80	38.76	-61.62	-1,266.20	-1,042.99	7,414.68	7,335.06	79.62	93.125		
15,500.00	7,950.00	7,487.00	7,296.48	215.47	38.76	-61.62	-1,266.20	-1,042.99	7,512.94	7,433.30	79.65	94.329		
15,600.00	7,950.00	7,487.00	7,296.48	218.15	38.76	-61.62	-1,266.20	-1,042.99	7,611.25	7,531.58	79.67	95.532		
15,700.00	7,950.00	7,487.00	7,296.48	220.82	38.76	-61.62	-1,266.20	-1,042.99	7,709.60	7,629.90	79.70	96.733		
15,800.00	7,950.00	7,487.00	7,296.48	223.49	38.76	-61.62	-1,266.20	-1,042.99	7,808.00	7,728.27	79.73	97.933		
15,900.00	7,950.00	7,487.00	7,296.48	226.17	38.76	-61.62	-1,266.20	-1,042.99	7,906.43	7,826.68	79.76	99.131		
16,000.00	7,950.00	7,487.00	7,296.48	228.84	38.76	-61.62	-1,266.20	-1,042.99	8,004.91	7,925.12	79.79	100.327		
16,100.00	7,950.00	7,487.00	7,296.48	231.52	38.76	-61.62	-1,266.20	-1,042.99	8,103.42	8,023.60	79.82	101.522		
16,200.00	7,950.00	7,487.00	7,296.48	234.20	38.76	-61.62	-1,266.20	-1,042.99	8,201.97	8,122.11	79.85	102.714		

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

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	
16,300.00	7,950.00	7,487.00	7,296.48	236.87	38.76	-61.62	-1,266.20	-1,042.99	8,300.55	8,220.66	79.89	103.905	
16,400.00	7,950.00	7,487.00	7,296.48	239.55	38.76	-61.62	-1,266.20	-1,042.99	8,399.16	8,319.24	79.92	105.094	
16,500.00	7,950.00	7,487.00	7,296.48	242.22	38.76	-61.62	-1,266.20	-1,042.99	8,497.81	8,417.85	79.96	106.281	
16,600.00	7,950.00	7,487.00	7,296.48	244.90	38.76	-61.62	-1,266.20	-1,042.99	8,596.49	8,516.50	79.99	107.466	
16,700.00	7,950.00	7,487.00	7,296.48	247.58	38.76	-61.62	-1,266.20	-1,042.99	8,695.20	8,615.17	80.03	108.650	
16,800.00	7,950.00	7,487.00	7,296.48	250.26	38.76	-61.62	-1,266.20	-1,042.99	8,793.94	8,713.87	80.07	109.831	
16,900.00	7,950.00	7,487.00	7,296.48	252.94	38.76	-61.62	-1,266.20	-1,042.99	8,892.70	8,812.60	80.11	111.010	
17,000.00	7,950.00	7,487.00	7,296.48	255.61	38.76	-61.62	-1,266.20	-1,042.99	8,991.50	8,911.35	80.15	112.187	
17,100.00	7,950.00	7,487.00	7,296.48	258.29	38.76	-61.62	-1,266.20	-1,042.99	9,090.32	9,010.13	80.19	113.362	
17,200.00	7,950.00	7,487.00	7,296.48	260.97	38.76	-61.62	-1,266.20	-1,042.99	9,189.16	9,108.93	80.23	114.534	
17,300.00	7,950.00	7,487.00	7,296.48	263.65	38.76	-61.62	-1,266.20	-1,042.99	9,288.03	9,207.76	80.27	115.705	
17,400.00	7,950.00	7,487.00	7,296.48	266.33	38.76	-61.62	-1,266.20	-1,042.99	9,386.93	9,306.61	80.32	116.873	
17,500.00	7,950.00	7,487.00	7,296.48	269.01	38.76	-61.62	-1,266.20	-1,042.99	9,485.85	9,405.48	80.36	118.039	
17,600.00	7,950.00	7,487.00	7,296.48	271.69	38.76	-61.62	-1,266.20	-1,042.99	9,584.79	9,504.38	80.41	119.203	
17,700.00	7,950.00	7,487.00	7,296.48	274.37	38.76	-61.62	-1,266.20	-1,042.99	9,683.75	9,603.29	80.45	120.364	
17,800.00	7,950.00	7,487.00	7,296.48	277.05	38.76	-61.62	-1,266.20	-1,042.99	9,782.73	9,702.23	80.50	121.523	
17,900.00	7,950.00	7,487.00	7,296.48	279.73	38.76	-61.62	-1,266.20	-1,042.99	9,881.73	9,801.18	80.55	122.680	
18,000.00	7,950.00	7,487.00	7,296.48	282.41	38.76	-61.62	-1,266.20	-1,042.99	9,980.76	9,900.16	80.60	123.834	

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 1AH - 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	0.00	0.00	0.00	0.00	-38.45	38.98	-30.95	49.78					
29.48	29.48	28.93	28.93	0.01	0.02	159.27	38.88	-30.97	49.73	49.71	0.02	2,287.864		
48.81	48.81	48.16	48.16	0.08	0.08	115.37	38.77	-30.98	49.70	49.54	0.16	315.108		
60.08	60.08	59.36	59.36	0.12	0.12	110.65	38.73	-30.98	49.71	49.48	0.24	210.379		
90.68	90.68	89.69	89.69	0.23	0.22	104.34	38.78	-30.97	49.83	49.38	0.45	110.350		
121.28	121.28	120.00	120.00	0.34	0.33	105.81	39.06	-30.94	50.10	49.43	0.67	75.146		
151.88	151.88	151.54	151.53	0.45	0.44	131.78	39.27	-30.70	50.22	49.34	0.89	56.733		
179.15	179.14	178.44	178.44	0.55	0.53	99.18	39.25	-30.47	50.15	49.08	1.08	46.583		
182.48	182.47	181.73	181.72	0.56	0.54	97.21	39.25	-30.47	50.15	49.05	1.10	45.589		
213.08	213.07	212.45	212.44	0.67	0.65	96.29	39.14	-30.50	50.14	48.82	1.32	38.051		
224.78	224.78	224.07	224.07	0.71	0.69	96.83	39.08	-30.53	50.13	48.73	1.40	35.790		
243.68	243.67	242.83	242.83	0.78	0.76	97.67	39.00	-30.63	50.16	48.62	1.53	32.686		
286.38	286.36	285.84	285.83	0.93	0.91	83.58	38.73	-30.85	50.06	48.22	1.84	27.211		
329.08	329.05	328.54	328.53	1.08	1.06	77.15	38.30	-31.05	49.65	47.50	2.15	23.146		
371.78	371.73	370.98	370.97	1.24	1.21	72.51	37.93	-31.35	49.18	46.73	2.45	20.080		
414.48	414.41	412.90	412.88	1.39	1.36	61.50	38.09	-31.63	48.91	46.16	2.75	17.798		
426.53	426.45	424.71	424.69	1.43	1.40	58.31	38.30	-31.68	48.89	46.06	2.83	17.269 CC		
457.18	457.07	454.71	454.68	1.54	1.50	52.13	39.16	-31.77	48.98	45.94	3.04	16.099		
499.88	499.73	497.00	496.93	1.70	1.65	54.13	40.97	-31.69	49.36	46.02	3.34	14.781		
542.58	542.37	539.26	539.13	1.85	1.80	58.28	43.19	-31.39	49.99	46.36	3.64	13.739		
585.28	584.99	581.79	581.59	2.00	1.94	59.94	45.62	-31.08	50.83	46.89	3.94	12.898		
627.98	627.61	624.31	624.04	2.16	2.09	65.53	48.04	-30.81	51.87	47.62	4.24	12.219		
670.68	670.24	666.27	665.91	2.31	2.24	75.99	50.66	-30.57	53.59	49.04	4.55	11.785		
713.38	712.89	708.31	707.84	2.47	2.39	79.62	53.73	-30.43	56.20	51.35	4.85	11.587		
756.08	755.57	750.15	749.54	2.62	2.55	76.34	57.19	-30.40	59.39	54.24	5.15	11.533		
798.78	798.26	792.17	791.38	2.78	2.70	71.63	61.11	-30.41	63.09	57.64	5.45	11.577		
841.48	840.95	836.13	835.17	2.93	2.86	44.13	64.97	-30.69	66.59	60.83	5.76	11.560		
884.18	883.65	880.00	878.94	3.08	3.02	54.56	67.79	-31.16	69.18	63.11	6.07	11.397		
926.88	926.35	923.77	922.66	3.23	3.18	61.95	69.88	-31.57	71.14	64.76	6.38	11.154		
969.58	969.05	967.15	966.01	3.38	3.34	101.83	71.41	-31.85	72.64	65.95	6.68	10.866		
1,012.28	1,011.75	1,011.03	1,009.88	3.53	3.49	44.79	72.40	-31.99	73.50	66.51	6.99	10.513		
1,054.98	1,054.45	1,054.20	1,053.05	3.68	3.64	70.71	72.88	-32.09	73.78	66.49	7.30	10.112		
1,097.68	1,097.15	1,097.51	1,096.36	3.84	3.80	123.79	73.04	-32.20	74.00	66.40	7.60	9.737		
1,140.38	1,139.85	1,140.75	1,139.59	3.99	3.94	81.95	72.87	-32.36	73.92	66.02	7.90	9.359		
1,183.08	1,182.55	1,183.30	1,182.14	4.14	4.09	77.45	72.57	-32.59	73.60	65.40	8.20	8.978		
1,225.78	1,225.24	1,225.93	1,224.77	4.29	4.23	84.76	72.33	-32.90	73.33	64.84	8.50	8.630		
1,268.48	1,267.94	1,269.30	1,268.14	4.44	4.38	-46.37	71.91	-33.21	72.79	63.99	8.79	8.278		
1,311.18	1,310.64	1,312.18	1,311.02	4.58	4.53	-31.31	71.24	-33.49	71.79	62.71	9.08	7.905		
1,353.88	1,353.34	1,354.83	1,353.66	4.72	4.67	-43.88	70.51	-33.80	70.68	61.31	9.37	7.543		
1,396.58	1,396.03	1,397.66	1,396.48	4.87	4.82	-26.94	69.74	-34.18	69.39	59.72	9.66	7.182		
1,439.28	1,438.72	1,440.36	1,439.17	5.01	4.97	-50.29	68.91	-34.56	68.00	58.05	9.95	6.832		
1,481.98	1,481.42	1,483.22	1,482.01	5.15	5.12	-36.50	67.99	-34.99	66.67	56.43	10.24	6.508		
1,524.68	1,524.11	1,526.05	1,524.83	5.30	5.26	-47.51	66.94	-35.54	65.27	54.73	10.54	6.194		
1,567.38	1,566.81	1,568.73	1,567.49	5.44	5.41	-32.67	65.83	-36.13	63.82	52.99	10.83	5.892		
1,610.08	1,609.51	1,611.09	1,609.84	5.59	5.56	-55.86	64.86	-36.54	62.54	51.41	11.13	5.621		
1,652.78	1,652.20	1,653.34	1,652.08	5.73	5.71	-87.89	64.22	-36.61	61.76	50.34	11.42	5.408		
1,695.48	1,694.90	1,696.09	1,694.83	5.88	5.85	-82.73	63.74	-36.51	61.23	49.52	11.71	5.229		
1,738.18	1,737.60	1,738.94	1,737.67	6.02	6.00	-84.12	63.21	-36.30	60.62	48.62	12.00	5.051		
1,780.88	1,780.30	1,781.48	1,780.21	6.17	6.15	-111.22	62.70	-36.05	60.11	47.82	12.30	4.889		
1,823.58	1,823.00	1,824.32	1,823.05	6.31	6.30	-106.69	62.16	-35.86	59.67	47.08	12.59	4.740		
1,866.28	1,865.69	1,867.26	1,865.98	6.46	6.45	-106.33	61.48	-35.69	59.09	46.21	12.88	4.587		
1,908.98	1,908.39	1,910.00	1,908.71	6.60	6.60	-97.71	60.70	-35.50	58.39	45.22	13.18	4.432		

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

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 1AH - 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		
1,951.68	1,951.09	1,952.77	1,951.48	6.75	6.75	-105.32	59.88	-35.27	57.65	44.17	13.47	4.279		
1,994.38	1,993.78	1,995.58	1,994.28	6.89	6.90	-100.59	58.99	-35.01	56.84	43.08	13.77	4.129		
2,037.08	2,036.48	2,038.22	2,036.91	7.04	7.05	-105.18	58.07	-34.77	56.04	41.98	14.06	3.985		
2,079.78	2,079.17	2,080.94	2,079.62	7.19	7.20	-122.39	57.16	-34.49	55.34	40.98	14.36	3.854		
2,122.48	2,121.87	2,123.46	2,122.13	7.33	7.35	-100.52	56.32	-34.21	54.67	40.02	14.66	3.731		
2,177.48	2,176.86	2,178.41	2,177.06	7.43	7.54	-101.50	55.32	-33.93	53.80	38.86	14.94	3.600		
2,200.00	2,199.38	2,200.92	2,199.57	7.43	7.62	-99.39	54.91	-33.82	53.43	38.41	15.02	3.557		
2,300.00	2,299.37	2,299.66	2,298.30	7.45	7.96	74.22	53.85	-34.19	52.24	36.85	15.39	3.394		
2,309.66	2,309.03	2,309.17	2,307.81	7.45	8.00	74.51	53.86	-34.35	52.23	36.80	15.43	3.385		
2,400.00	2,399.27	2,398.10	2,396.69	7.48	8.31	77.03	54.94	-37.08	53.11	37.34	15.77	3.369		
2,500.00	2,498.95	2,496.45	2,494.83	7.54	8.65	80.57	58.23	-42.53	56.26	40.10	16.15	3.483		
2,599.85	2,598.15	2,594.46	2,592.36	7.62	9.00	84.74	63.68	-50.51	61.87	45.31	16.56	3.737		
2,700.00	2,697.44	2,692.54	2,689.57	7.72	9.35	87.71	71.30	-61.03	70.20	53.21	16.99	4.133		
2,800.00	2,796.58	2,808.70	2,787.06	7.85	9.77	88.66	80.74	-73.68	80.62	63.10	17.52	4.601		
2,900.00	2,895.72	2,909.27	2,885.17	7.99	10.15	89.28	90.40	-86.60	91.23	73.19	18.04	5.058		
3,000.00	2,994.86	3,009.84	2,983.28	8.16	10.53	89.78	100.06	-99.53	101.85	83.27	18.57	5.483		
3,100.00	3,094.00	3,089.59	3,081.40	8.34	10.84	90.18	109.73	-112.45	112.47	93.42	19.06	5.902		
3,200.00	3,193.14	3,189.03	3,179.51	8.54	11.23	90.52	119.39	-125.37	123.11	103.47	19.63	6.271		
3,300.00	3,292.28	3,288.46	3,277.62	8.76	11.62	90.80	129.05	-138.30	133.74	113.51	20.23	6.612		
3,400.00	3,391.42	3,387.89	3,375.73	8.99	12.02	91.04	138.72	-151.22	144.38	123.54	20.84	6.928		
3,500.00	3,490.56	3,487.32	3,473.85	9.23	12.42	91.24	148.38	-164.14	155.02	133.55	21.47	7.221		
3,600.00	3,589.70	3,586.75	3,571.96	9.49	12.82	91.42	158.04	-177.07	165.66	143.55	22.11	7.492		
3,700.00	3,688.84	3,686.18	3,670.07	9.76	13.23	91.58	167.71	-189.99	176.30	153.53	22.77	7.743		
3,800.00	3,787.98	3,785.61	3,768.19	10.04	13.64	91.72	177.37	-202.91	186.94	163.51	23.44	7.976		
3,900.00	3,887.12	3,885.04	3,866.30	10.33	14.05	91.85	187.03	-215.83	197.59	173.47	24.12	8.192		
4,000.00	3,986.26	3,984.47	3,964.41	10.62	14.46	91.96	196.70	-228.76	208.23	183.42	24.81	8.392		
4,100.00	4,085.40	4,083.90	4,062.52	10.93	14.88	92.06	206.36	-241.68	218.88	193.37	25.51	8.579		
4,200.00	4,184.54	4,183.34	4,160.64	11.24	15.29	92.15	216.02	-254.60	229.53	203.30	26.23	8.752		
4,300.00	4,283.68	4,282.77	4,258.75	11.56	15.71	92.24	225.69	-267.53	240.18	213.23	26.94	8.914		
4,400.00	4,382.82	4,382.20	4,356.86	11.89	16.13	92.31	235.35	-280.45	250.82	223.15	27.67	9.064		
4,500.00	4,481.97	4,481.63	4,454.98	12.22	16.55	92.38	245.01	-293.37	261.47	233.07	28.40	9.205		
4,600.00	4,581.11	4,581.06	4,553.09	12.56	16.98	92.45	254.67	-306.30	272.12	242.98	29.14	9.337		
4,700.00	4,680.25	4,680.49	4,651.20	12.90	17.40	92.51	264.34	-319.22	282.77	252.88	29.89	9.460		
4,800.00	4,779.39	4,779.92	4,749.31	13.25	17.83	92.56	274.00	-332.14	293.42	262.78	30.64	9.575		
4,900.00	4,878.53	4,879.35	4,847.43	13.60	18.25	92.61	283.66	-345.07	304.07	272.67	31.40	9.684		
5,000.00	4,977.67	4,978.78	4,945.54	13.96	18.68	92.66	293.33	-357.99	314.72	282.56	32.16	9.786		
5,100.00	5,076.81	5,078.21	5,043.65	14.32	19.11	92.71	302.99	-370.91	325.37	292.44	32.93	9.882		
5,200.00	5,175.95	5,177.65	5,141.77	14.68	19.54	92.75	312.65	-383.84	336.02	302.32	33.70	9.972		
5,300.00	5,275.09	5,277.08	5,239.88	15.05	19.97	92.79	322.32	-396.76	346.67	312.20	34.47	10.057		
5,400.00	5,374.23	5,376.51	5,337.99	15.42	20.40	92.83	331.98	-409.68	357.32	322.07	35.25	10.137		
5,500.00	5,473.37	5,475.94	5,436.10	15.79	20.83	92.86	341.64	-422.61	367.97	331.94	36.03	10.213		
5,600.00	5,572.51	5,575.37	5,534.22	16.16	21.26	92.90	351.31	-435.53	378.62	341.81	36.81	10.285		
5,700.00	5,671.65	5,674.80	5,632.33	16.54	21.69	92.93	360.97	-448.45	389.27	351.67	37.60	10.353		
5,800.00	5,770.79	5,774.23	5,730.44	16.92	22.13	92.96	370.63	-461.38	399.92	361.53	38.39	10.418		
5,900.00	5,869.93	5,873.66	5,828.56	17.30	22.56	92.98	380.30	-474.30	410.57	371.39	39.18	10.479		
6,000.00	5,969.07	5,973.09	5,926.67	17.68	22.99	93.01	389.96	-487.22	421.22	381.25	39.97	10.538		
6,100.00	6,068.21	6,072.52	6,024.78	18.07	23.43	93.04	399.62	-500.15	431.88	391.11	40.77	10.593		
6,200.00	6,167.35	6,171.95	6,122.89	18.45	23.86	93.06	409.28	-513.07	442.53	400.96	41.57	10.646		
6,300.00	6,266.49	6,271.39	6,221.01	18.84	24.30	93.08	418.95	-525.99	453.18	410.81	42.37	10.696		
6,400.00	6,365.63	6,370.82	6,319.12	19.23	24.73	93.11	428.61	-538.92	463.83	420.66	43.17	10.744		
6,500.00	6,464.77	6,470.25	6,417.23	19.62	25.17	93.13	438.27	-551.84	474.48	430.51	43.97	10.790		
6,600.00	6,563.91	6,569.68	6,515.35	20.01	25.61	93.15	447.94	-564.76	485.13	440.35	44.78	10.834		

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

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 1AH - 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		
6,700.00	6,663.05	6,669.11	6,613.46	20.40	26.04	93.17	457.60	-577.69	495.78	450.20	45.59	10.876		
6,800.00	6,762.19	6,768.54	6,711.57	20.80	26.48	93.18	467.26	-590.61	506.44	460.04	46.39	10.916		
6,900.00	6,861.33	6,867.97	6,809.68	21.19	26.92	93.20	476.93	-603.53	517.09	469.88	47.20	10.954		
7,000.00	6,960.47	6,967.40	6,907.80	21.59	27.36	93.22	486.59	-616.46	527.74	479.72	48.02	10.991		
7,100.00	7,059.61	7,066.83	7,005.91	21.99	27.80	93.23	496.25	-629.38	538.39	489.56	48.83	11.026		
7,200.00	7,158.75	7,166.26	7,104.02	22.38	28.23	93.25	505.92	-642.30	549.04	499.40	49.64	11.060		
7,300.00	7,257.89	7,265.70	7,202.14	22.78	28.67	93.27	515.58	-655.23	559.69	509.24	50.46	11.093		
7,400.00	7,357.03	7,365.13	7,300.25	23.18	29.11	93.28	525.24	-668.15	570.35	519.07	51.27	11.124		
7,495.63	7,451.84	7,460.20	7,394.03	23.57	29.53	93.27	534.48	-680.71	580.53	528.48	52.06	11.152		
7,500.00	7,456.17	7,464.54	7,398.29	23.58	29.56	92.99	534.90	-681.40	581.00	528.91	52.09	11.153		
7,550.00	7,505.33	7,514.12	7,446.56	23.81	29.80	90.84	539.65	-691.64	586.28	533.74	52.54	11.159		
7,600.00	7,553.51	7,563.62	7,493.68	24.06	30.07	89.55	544.29	-706.00	591.46	538.41	53.05	11.148		
7,650.00	7,600.34	7,613.03	7,539.32	24.36	30.36	88.57	548.79	-724.36	596.50	542.87	53.63	11.122		
7,700.00	7,645.48	7,662.37	7,583.16	24.70	30.69	87.75	553.10	-746.56	601.36	547.09	54.27	11.080		
7,750.00	7,688.57	7,711.65	7,624.88	25.07	31.04	87.04	557.21	-772.44	606.00	551.02	54.98	11.021		
7,800.00	7,729.30	7,760.88	7,664.19	25.49	31.41	86.41	561.07	-801.79	610.39	554.62	55.77	10.945		
7,850.00	7,767.34	7,810.06	7,700.82	25.94	31.82	85.84	564.68	-834.38	614.48	557.86	56.63	10.851		
7,900.00	7,802.41	7,859.20	7,734.50	26.45	32.26	85.34	567.99	-869.99	618.26	560.69	57.57	10.740		
7,950.00	7,834.25	7,908.30	7,765.01	27.00	32.74	84.89	570.99	-908.33	621.69	563.10	58.59	10.610		
8,000.00	7,862.60	7,957.38	7,792.12	27.59	33.25	84.49	573.66	-949.13	624.75	565.04	59.71	10.464		
8,050.00	7,887.26	8,006.43	7,815.65	28.24	33.79	84.16	575.97	-992.09	627.40	566.50	60.91	10.301		
8,100.00	7,908.04	8,055.47	7,835.43	28.94	34.38	83.87	577.91	-1,036.90	629.64	567.45	62.20	10.123		
8,150.00	7,924.78	8,104.48	7,851.33	29.68	35.00	83.64	579.47	-1,083.23	631.45	567.88	63.57	9.933		
8,200.00	7,937.35	8,153.49	7,863.22	30.46	35.65	83.47	580.63	-1,130.74	632.80	567.78	65.02	9.732		
8,250.00	7,945.65	8,202.48	7,871.03	31.28	36.33	83.35	581.40	-1,179.08	633.70	567.17	66.53	9.524		
8,300.00	7,949.63	8,251.45	7,874.70	32.12	37.04	83.29	581.75	-1,227.90	634.13	566.03	68.10	9.312		
8,320.64	7,950.00	8,271.70	7,875.00	32.47	37.34	83.28	581.78	-1,248.14	634.17	565.42	68.76	9.224		
8,400.00	7,950.00	8,351.06	7,875.00	33.88	38.56	83.28	581.77	-1,327.50	634.17	562.76	71.41	8.881		
8,500.00	7,950.00	8,451.06	7,875.00	35.75	40.19	83.28	581.75	-1,427.50	634.17	559.23	74.95	8.462		
8,600.00	7,950.00	8,551.06	7,875.00	37.73	41.93	83.28	581.74	-1,527.50	634.17	555.49	78.69	8.060		
8,700.00	7,950.00	8,651.06	7,875.00	39.79	43.78	83.28	581.72	-1,627.50	634.17	551.57	82.60	7.677		
8,800.00	7,950.00	8,751.06	7,875.00	41.92	45.70	83.28	581.71	-1,727.50	634.17	547.50	86.67	7.317		
8,900.00	7,950.00	8,851.06	7,875.00	44.11	47.70	83.28	581.69	-1,827.50	634.17	543.30	90.87	6.979		
9,000.00	7,950.00	8,951.06	7,875.00	46.36	49.77	83.28	581.68	-1,927.50	634.17	538.98	95.19	6.662		
9,100.00	7,950.00	9,051.06	7,875.00	48.65	51.89	83.28	581.67	-2,027.50	634.17	534.57	99.61	6.367		
9,200.00	7,950.00	9,151.06	7,875.00	50.98	54.07	83.28	581.65	-2,127.50	634.17	530.06	104.11	6.091		
9,300.00	7,950.00	9,251.06	7,875.00	53.34	56.29	83.28	581.64	-2,227.50	634.17	525.48	108.69	5.835		
9,400.00	7,950.00	9,351.06	7,875.00	55.74	58.55	83.28	581.62	-2,327.50	634.17	520.84	113.34	5.595		
9,500.00	7,950.00	9,451.06	7,875.00	58.16	60.85	83.28	581.61	-2,427.50	634.17	516.13	118.04	5.372		
9,600.00	7,950.00	9,551.06	7,875.00	60.60	63.18	83.28	581.59	-2,527.50	634.17	511.37	122.80	5.164		
9,700.00	7,950.00	9,651.06	7,875.00	63.06	65.53	83.28	581.58	-2,627.50	634.17	506.57	127.61	4.970		
9,800.00	7,950.00	9,751.06	7,875.00	65.54	67.91	83.28	581.56	-2,727.50	634.17	501.72	132.46	4.788		
9,900.00	7,950.00	9,851.06	7,875.00	68.04	70.32	83.28	581.55	-2,827.50	634.17	496.83	137.34	4.618		
10,000.00	7,950.00	9,951.06	7,875.00	70.55	72.74	83.28	581.54	-2,927.50	634.17	491.92	142.26	4.458		
10,100.00	7,950.00	10,051.06	7,875.00	73.08	75.18	83.28	581.52	-3,027.50	634.17	486.97	147.21	4.308		
10,200.00	7,950.00	10,151.06	7,875.00	75.61	77.64	83.28	581.51	-3,127.50	634.17	481.99	152.18	4.167		
10,300.00	7,950.00	10,251.06	7,875.00	78.16	80.12	83.28	581.49	-3,227.50	634.17	476.99	157.18	4.035		
10,400.00	7,950.00	10,351.06	7,875.00	80.71	82.61	83.28	581.48	-3,327.50	634.17	471.97	162.20	3.910		
10,500.00	7,950.00	10,451.06	7,875.00	83.28	85.11	83.28	581.46	-3,427.50	634.17	466.93	167.24	3.792		
10,600.00	7,950.00	10,551.06	7,875.00	85.85	87.62	83.28	581.45	-3,527.50	634.17	461.87	172.31	3.681		
10,700.00	7,950.00	10,651.06	7,875.00	88.43	90.14	83.28	581.43	-3,627.50	634.17	456.79	177.38	3.575		
10,800.00	7,950.00	10,751.06	7,875.00	91.01	92.67	83.28	581.42	-3,727.50	634.17	451.70	182.48	3.475		

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

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 1AH - 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		
10,900.00	7,950.00	10,851.06	7,875.00	93.60	95.21	83.28	581.41	-3,827.50	634.17	446.59	187.58	3.381		
11,000.00	7,950.00	10,951.06	7,875.00	96.20	97.76	83.28	581.39	-3,927.50	634.17	441.47	192.71	3.291		
11,100.00	7,950.00	11,051.06	7,875.00	98.80	100.32	83.28	581.38	-4,027.50	634.17	436.34	197.84	3.206		
11,200.00	7,950.00	11,151.06	7,875.00	101.41	102.88	83.28	581.36	-4,127.50	634.17	431.19	202.98	3.124		
11,300.00	7,950.00	11,251.06	7,875.00	104.02	105.45	83.28	581.35	-4,227.50	634.17	426.04	208.14	3.047		
11,400.00	7,950.00	11,351.06	7,875.00	106.63	108.03	83.28	581.33	-4,327.50	634.17	420.87	213.30	2.973		
11,500.00	7,950.00	11,451.06	7,875.00	109.25	110.61	83.28	581.32	-4,427.50	634.17	415.70	218.47	2.903		
11,600.00	7,950.00	11,551.06	7,875.00	111.88	113.19	83.28	581.30	-4,527.50	634.17	410.52	223.65	2.835		
11,700.00	7,950.00	11,651.06	7,875.00	114.50	115.78	83.28	581.29	-4,627.50	634.17	405.33	228.84	2.771		
11,800.00	7,950.00	11,751.06	7,875.00	117.13	118.38	83.28	581.28	-4,727.50	634.17	400.13	234.04	2.710		
11,900.00	7,950.00	11,851.06	7,875.00	119.76	120.98	83.28	581.26	-4,827.50	634.17	394.93	239.24	2.651		
12,000.00	7,950.00	11,951.06	7,875.00	122.39	123.58	83.28	581.25	-4,927.50	634.17	389.72	244.45	2.594		
12,100.00	7,950.00	12,051.06	7,875.00	125.03	126.19	83.28	581.23	-5,027.50	634.17	384.51	249.67	2.540		
12,200.00	7,950.00	12,151.06	7,875.00	127.67	128.80	83.28	581.22	-5,127.50	634.17	379.28	254.89	2.488		
12,300.00	7,950.00	12,251.06	7,875.00	130.31	131.42	83.28	581.20	-5,227.50	634.17	374.06	260.12	2.438		
12,400.00	7,950.00	12,351.06	7,875.00	132.95	134.03	83.28	581.19	-5,327.50	634.17	368.83	265.35	2.390		
12,500.00	7,950.00	12,451.06	7,875.00	135.60	136.65	83.28	581.17	-5,427.50	634.17	363.59	270.58	2.344		
12,600.00	7,950.00	12,551.06	7,875.00	138.24	139.28	83.28	581.16	-5,527.50	634.17	358.35	275.82	2.299		
12,700.00	7,950.00	12,651.06	7,875.00	140.89	141.90	83.28	581.15	-5,627.50	634.17	353.11	281.07	2.256		
12,800.00	7,950.00	12,751.06	7,875.00	143.54	144.53	83.28	581.13	-5,727.50	634.17	347.86	286.31	2.215		
12,900.00	7,950.00	12,851.06	7,875.00	146.19	147.16	83.28	581.12	-5,827.50	634.17	342.61	291.57	2.175		
13,000.00	7,950.00	12,951.06	7,875.00	148.84	149.79	83.28	581.10	-5,927.50	634.17	337.35	296.82	2.137		
13,100.00	7,950.00	13,051.06	7,875.00	151.50	152.43	83.28	581.09	-6,027.50	634.17	332.09	302.08	2.099		
13,200.00	7,950.00	13,151.06	7,875.00	154.15	155.06	83.28	581.07	-6,127.50	634.17	326.83	307.34	2.063		
13,300.00	7,950.00	13,251.06	7,875.00	156.81	157.70	83.28	581.06	-6,227.50	634.17	321.57	312.61	2.029		
13,400.00	7,950.00	13,351.06	7,875.00	159.47	160.34	83.28	581.05	-6,327.50	634.17	316.30	317.88	1.995		
13,500.00	7,950.00	13,451.06	7,875.00	162.13	162.98	83.28	581.03	-6,427.50	634.17	311.03	323.15	1.962		
13,600.00	7,950.00	13,551.06	7,875.00	164.79	165.63	83.28	581.02	-6,527.50	634.17	305.75	328.42	1.931		
13,700.00	7,950.00	13,651.06	7,875.00	167.45	168.27	83.28	581.00	-6,627.50	634.17	300.48	333.69	1.900		
13,800.00	7,950.00	13,751.06	7,875.00	170.11	170.92	83.28	580.99	-6,727.50	634.17	295.20	338.97	1.871		
13,900.00	7,950.00	13,851.06	7,875.00	172.77	173.56	83.28	580.97	-6,827.50	634.17	289.92	344.25	1.842		
14,000.00	7,950.00	13,951.06	7,875.00	175.44	176.21	83.28	580.96	-6,927.50	634.17	284.64	349.53	1.814		
14,100.00	7,950.00	14,051.06	7,875.00	178.10	178.86	83.28	580.94	-7,027.50	634.17	279.36	354.82	1.787		
14,200.00	7,950.00	14,151.06	7,875.00	180.77	181.51	83.28	580.93	-7,127.50	634.17	274.07	360.10	1.761		
14,300.00	7,950.00	14,251.06	7,875.00	183.43	184.17	83.28	580.92	-7,227.50	634.17	268.78	365.39	1.736		
14,400.00	7,950.00	14,351.06	7,875.00	186.10	186.82	83.28	580.90	-7,327.50	634.17	263.49	370.68	1.711		
14,500.00	7,950.00	14,451.06	7,875.00	188.77	189.48	83.28	580.89	-7,427.50	634.17	258.20	375.97	1.687		
14,600.00	7,950.00	14,551.06	7,875.00	191.43	192.13	83.28	580.87	-7,527.50	634.17	252.91	381.27	1.663		
14,700.00	7,950.00	14,651.06	7,875.00	194.10	194.79	83.28	580.86	-7,627.50	634.17	247.61	386.56	1.641		
14,800.00	7,950.00	14,751.06	7,875.00	196.77	197.45	83.28	580.84	-7,727.50	634.17	242.32	391.86	1.618		
14,900.00	7,950.00	14,851.06	7,875.00	199.44	200.10	83.28	580.83	-7,827.50	634.17	237.02	397.16	1.597		
15,000.00	7,950.00	14,951.06	7,875.00	202.11	202.76	83.28	580.81	-7,927.50	634.17	231.72	402.45	1.576		
15,100.00	7,950.00	15,051.06	7,875.00	204.78	205.42	83.28	580.80	-8,027.50	634.17	226.42	407.75	1.555		
15,200.00	7,950.00	15,151.06	7,875.00	207.45	208.09	83.28	580.79	-8,127.50	634.17	221.12	413.06	1.535		
15,300.00	7,950.00	15,251.06	7,875.00	210.13	210.75	83.28	580.77	-8,227.50	634.17	215.81	418.36	1.516		
15,400.00	7,950.00	15,351.06	7,875.00	212.80	213.41	83.28	580.76	-8,327.50	634.17	210.51	423.66	1.497	Level 3	
15,500.00	7,950.00	15,451.06	7,875.00	215.47	216.07	83.28	580.74	-8,427.50	634.17	205.21	428.97	1.478	Level 3	
15,600.00	7,950.00	15,551.06	7,875.00	218.15	218.74	83.28	580.73	-8,527.50	634.17	199.90	434.27	1.460	Level 3	
15,700.00	7,950.00	15,651.06	7,875.00	220.82	221.40	83.28	580.71	-8,627.50	634.17	194.59	439.58	1.443	Level 3	
15,800.00	7,950.00	15,751.06	7,875.00	223.49	224.07	83.28	580.70	-8,727.50	634.17	189.28	444.89	1.425	Level 3	
15,900.00	7,950.00	15,851.06	7,875.00	226.17	226.73	83.28	580.68	-8,827.50	634.17	183.97	450.20	1.409	Level 3	
16,000.00	7,950.00	15,951.06	7,875.00	228.84	229.40	83.28	580.67	-8,927.50	634.17	178.66	455.51	1.392	Level 3	

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

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 1AH - 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		
16,100.00	7,950.00	16,051.06	7,875.00	231.52	232.07	83.28	580.66	-9,027.50	634.17	173.35	460.82	1.376	Level 3	
16,200.00	7,950.00	16,151.06	7,875.00	234.20	234.73	83.28	580.64	-9,127.50	634.17	168.04	466.13	1.360	Level 3	
16,300.00	7,950.00	16,251.06	7,875.00	236.87	237.40	83.28	580.63	-9,227.50	634.17	162.73	471.45	1.345	Level 3	
16,400.00	7,950.00	16,351.06	7,875.00	239.55	240.07	83.28	580.61	-9,327.50	634.17	157.41	476.76	1.330	Level 3	
16,500.00	7,950.00	16,451.06	7,875.00	242.22	242.74	83.28	580.60	-9,427.50	634.17	152.10	482.07	1.316	Level 3	
16,600.00	7,950.00	16,551.06	7,875.00	244.90	245.41	83.28	580.58	-9,527.50	634.17	146.78	487.39	1.301	Level 3	
16,700.00	7,950.00	16,651.06	7,875.00	247.58	248.08	83.28	580.57	-9,627.50	634.17	141.47	492.71	1.287	Level 3	
16,800.00	7,950.00	16,751.06	7,875.00	250.26	250.75	83.28	580.56	-9,727.50	634.17	136.15	498.02	1.273	Level 3	
16,900.00	7,950.00	16,851.06	7,875.00	252.94	253.42	83.28	580.54	-9,827.50	634.17	130.83	503.34	1.260	Level 3	
17,000.00	7,950.00	16,951.06	7,875.00	255.61	256.09	83.28	580.53	-9,927.50	634.17	125.51	508.66	1.247	Level 2	
17,100.00	7,950.00	17,051.06	7,875.00	258.29	258.77	83.28	580.51	-10,027.50	634.17	120.20	513.98	1.234	Level 2	
17,200.00	7,950.00	17,151.06	7,875.00	260.97	261.44	83.28	580.50	-10,127.50	634.17	114.88	519.30	1.221	Level 2	
17,300.00	7,950.00	17,251.06	7,875.00	263.65	264.11	83.28	580.48	-10,227.50	634.17	109.56	524.62	1.209	Level 2	
17,400.00	7,950.00	17,351.06	7,875.00	266.33	266.78	83.28	580.47	-10,327.50	634.17	104.24	529.94	1.197	Level 2	
17,500.00	7,950.00	17,451.06	7,875.00	269.01	269.46	83.28	580.45	-10,427.50	634.17	98.91	535.26	1.185	Level 2	
17,600.00	7,950.00	17,551.06	7,875.00	271.69	272.13	83.28	580.44	-10,527.50	634.17	93.59	540.58	1.173	Level 2	
17,700.00	7,950.00	17,651.06	7,875.00	274.37	274.81	83.28	580.43	-10,627.50	634.17	88.27	545.90	1.162	Level 2	
17,800.00	7,950.00	17,751.06	7,875.00	277.05	277.48	83.28	580.41	-10,727.50	634.17	82.95	551.23	1.150	Level 2	
17,900.00	7,950.00	17,851.06	7,875.00	279.73	280.15	83.28	580.40	-10,827.50	634.17	77.62	556.55	1.139	Level 2	
18,000.00	7,950.00	17,951.06	7,875.00	282.41	282.83	83.28	580.38	-10,927.50	634.17	72.30	561.87	1.129	Level 2	
18,100.00	7,950.00	18,051.06	7,875.00	285.09	285.50	83.28	580.37	-11,027.50	634.17	66.97	567.20	1.118	Level 2	
18,200.00	7,950.00	18,151.06	7,875.00	287.77	288.18	83.28	580.35	-11,127.50	634.17	61.65	572.52	1.108	Level 2	
18,300.00	7,950.00	18,251.06	7,875.00	290.45	290.86	83.28	580.34	-11,227.50	634.17	56.32	577.85	1.097	Level 2	
18,400.00	7,950.00	18,351.06	7,875.00	293.14	293.53	83.28	580.32	-11,327.50	634.17	51.00	583.18	1.087	Level 2	
18,500.00	7,950.00	18,451.06	7,875.00	295.82	296.21	83.28	580.31	-11,427.50	634.17	45.67	588.50	1.078	Level 2	
18,600.00	7,950.00	18,551.06	7,875.00	298.50	298.89	83.28	580.30	-11,527.50	634.17	40.34	593.83	1.068	Level 2	
18,700.00	7,950.00	18,651.06	7,875.00	301.18	301.56	83.28	580.28	-11,627.50	634.17	35.02	599.16	1.058	Level 2	
18,800.00	7,950.00	18,751.06	7,875.00	303.86	304.24	83.28	580.27	-11,727.50	634.17	29.69	604.48	1.049	Level 2	
18,900.00	7,950.00	18,851.06	7,875.00	306.55	306.92	83.28	580.25	-11,827.50	634.17	24.36	609.81	1.040	Level 2	
19,000.00	7,950.00	18,951.06	7,875.00	309.23	309.60	83.28	580.24	-11,927.50	634.17	19.03	615.14	1.031	Level 2	
19,100.00	7,950.00	19,051.06	7,875.00	311.91	312.27	83.28	580.22	-12,027.50	634.17	13.70	620.47	1.022	Level 2	
19,200.00	7,950.00	19,151.06	7,875.00	314.59	314.95	83.28	580.21	-12,127.50	634.17	8.38	625.80	1.013	Level 2	
19,300.00	7,950.00	19,251.06	7,875.00	317.28	317.63	83.28	580.19	-12,227.50	634.17	3.05	631.13	1.005	Level 2	
19,400.00	7,950.00	19,351.06	7,875.00	319.96	320.31	83.28	580.18	-12,327.50	634.17	-2.28	636.46	0.996	Level 1	
19,500.00	7,950.00	19,451.06	7,875.00	322.64	322.99	83.28	580.17	-12,427.50	634.17	-7.61	641.79	0.988	Level 1	
19,600.00	7,950.00	19,551.06	7,875.00	325.33	325.67	83.28	580.15	-12,527.50	634.17	-12.94	647.12	0.980	Level 1	
19,700.00	7,950.00	19,651.06	7,875.00	328.01	328.35	83.28	580.14	-12,627.50	634.17	-18.27	652.45	0.972	Level 1	
19,800.00	7,950.00	19,751.06	7,875.00	330.69	331.03	83.28	580.12	-12,727.50	634.17	-23.61	657.78	0.964	Level 1	
19,900.00	7,950.00	19,851.06	7,875.00	333.38	333.71	83.28	580.11	-12,827.50	634.17	-28.94	663.11	0.956	Level 1	
20,000.00	7,950.00	19,951.06	7,875.00	336.06	336.39	83.28	580.09	-12,927.50	634.17	-34.27	668.44	0.949	Level 1	
20,100.00	7,950.00	20,051.06	7,875.00	338.74	339.07	83.28	580.08	-13,027.50	634.17	-39.60	673.77	0.941	Level 1	
20,200.00	7,950.00	20,151.06	7,875.00	341.43	341.75	83.28	580.06	-13,127.50	634.17	-44.93	679.11	0.934	Level 1	
20,300.00	7,950.00	20,251.06	7,875.00	344.11	344.43	83.28	580.05	-13,227.50	634.17	-50.27	684.44	0.927	Level 1	
20,400.00	7,950.00	20,351.06	7,875.00	346.80	347.11	83.28	580.04	-13,327.50	634.17	-55.60	689.77	0.919	Level 1	
20,500.00	7,950.00	20,451.06	7,875.00	349.48	349.79	83.28	580.02	-13,427.50	634.17	-60.93	695.11	0.912	Level 1	
20,600.00	7,950.00	20,551.06	7,875.00	352.17	352.47	83.28	580.01	-13,527.50	634.17	-66.27	700.44	0.905	Level 1	
20,700.00	7,950.00	20,651.06	7,875.00	354.85	355.15	83.28	579.99	-13,627.50	634.17	-71.60	705.77	0.899	Level 1	
20,800.00	7,950.00	20,751.06	7,875.00	357.54	357.83	83.28	579.98	-13,727.50	634.17	-76.93	711.11	0.892	Level 1	
20,900.00	7,950.00	20,851.06	7,875.00	360.22	360.51	83.28	579.96	-13,827.50	634.17	-82.27	716.44	0.885	Level 1	
21,000.00	7,950.00	20,951.06	7,875.00	362.91	363.19	83.28	579.95	-13,927.50	634.17	-87.60	721.77	0.879	Level 1	
21,100.00	7,950.00	21,051.06	7,875.00	365.59	365.88	83.28	579.94	-14,027.50	634.17	-92.94	727.11	0.872	Level 1	
21,200.00	7,950.00	21,151.06	7,875.00	368.28	368.56	83.28	579.92	-14,127.50	634.17	-98.27	732.44	0.866	Level 1	

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



# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SEC 21-T4S-R65W - GRANDE 4-65 20-19 1AH - OWB - PROPOSAL 1												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 29-MWD OWSG, 2165-MWD OWSG												<b>Offset Well Error:</b>	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
21,300.00	7,950.00	21,251.06	7,875.00	370.96	371.24	83.28	579.91	-14,227.50	634.17	-103.61	737.78	0.860	Level 1
21,400.00	7,950.00	21,351.06	7,875.00	373.65	373.92	83.28	579.89	-14,327.50	634.17	-108.94	743.11	0.853	Level 1
21,500.00	7,950.00	21,451.06	7,875.00	376.33	376.60	83.28	579.88	-14,427.50	634.17	-114.28	748.45	0.847	Level 1
21,600.00	7,950.00	21,551.06	7,875.00	379.02	379.29	83.28	579.86	-14,527.50	634.17	-119.61	753.79	0.841	Level 1
21,700.00	7,950.00	21,651.06	7,875.00	381.70	381.97	83.28	579.85	-14,627.50	634.17	-124.95	759.12	0.835	Level 1
21,800.00	7,950.00	21,751.06	7,875.00	384.39	384.65	83.28	579.83	-14,727.50	634.17	-130.28	764.46	0.830	Level 1
21,900.00	7,950.00	21,851.06	7,875.00	387.07	387.33	83.28	579.82	-14,827.50	634.17	-135.62	769.79	0.824	Level 1
22,000.00	7,950.00	21,951.06	7,875.00	389.76	390.02	83.28	579.81	-14,927.50	634.17	-140.96	775.13	0.818	Level 1
22,100.00	7,950.00	22,051.06	7,875.00	392.44	392.70	83.28	579.79	-15,027.50	634.17	-146.29	780.47	0.813	Level 1
22,200.00	7,950.00	22,151.06	7,875.00	395.13	395.38	83.28	579.78	-15,127.50	634.17	-151.63	785.80	0.807	Level 1
22,300.00	7,950.00	22,251.06	7,875.00	397.82	398.07	83.28	579.76	-15,227.50	634.17	-156.97	791.14	0.802	Level 1
22,400.00	7,950.00	22,351.06	7,875.00	400.50	400.75	83.28	579.75	-15,327.50	634.17	-162.30	796.48	0.796	Level 1
22,500.00	7,950.00	22,451.06	7,875.00	403.19	403.43	83.28	579.73	-15,427.50	634.17	-167.64	801.82	0.791	Level 1
22,600.00	7,950.00	22,551.06	7,875.00	405.88	406.12	83.28	579.72	-15,527.50	634.17	-172.98	807.15	0.786	Level 1
22,700.00	7,950.00	22,651.06	7,875.00	408.56	408.80	83.28	579.70	-15,627.50	634.17	-178.32	812.49	0.781	Level 1
22,800.00	7,950.00	22,751.06	7,875.00	411.25	411.48	83.28	579.69	-15,727.50	634.17	-183.65	817.83	0.775	Level 1
22,900.00	7,950.00	22,851.06	7,875.00	413.93	414.17	83.28	579.68	-15,827.50	634.17	-188.99	823.17	0.770	Level 1
23,000.00	7,950.00	22,951.06	7,875.00	416.62	416.85	83.28	579.66	-15,927.50	634.17	-194.33	828.50	0.765	Level 1
23,100.00	7,950.00	23,051.06	7,875.00	419.31	419.53	83.28	579.65	-16,027.50	634.17	-199.67	833.84	0.761	Level 1
23,200.00	7,950.00	23,151.06	7,875.00	421.99	422.22	83.28	579.63	-16,127.50	634.17	-205.01	839.18	0.756	Level 1
23,306.83	7,950.00	23,257.89	7,875.00	424.86	425.09	83.28	579.62	-16,234.33	634.17	-210.71	844.88	0.751	Level 1, ES, SF

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	0.00	0.00	0.00	0.00	-38.19	19.67	-15.48	25.03					
29.48	29.48	29.11	29.11	0.01	0.02	159.45	19.66	-15.57	25.10	25.08	0.02	1,034.032		
60.08	60.08	59.60	59.60	0.12	0.12	110.71	19.66	-15.80	25.34	25.10	0.24	105.901		
90.68	90.68	90.18	90.18	0.23	0.23	104.22	19.73	-16.09	25.65	25.20	0.46	56.092		
121.28	121.28	120.67	120.66	0.34	0.34	105.51	19.90	-16.36	26.02	25.35	0.68	38.494		
151.88	151.88	151.33	151.32	0.45	0.45	131.01	20.08	-16.67	26.45	25.56	0.89	29.576		
182.48	182.47	181.52	181.51	0.56	0.56	95.49	20.19	-17.36	27.06	25.94	1.12	24.258		
213.08	213.07	212.73	212.71	0.67	0.66	94.43	20.34	-17.87	27.52	26.19	1.33	20.673		
243.68	243.67	243.26	243.24	0.78	0.77	96.76	20.50	-17.82	27.66	26.12	1.55	17.894		
286.38	286.36	286.06	286.03	0.93	0.92	83.99	20.66	-17.81	27.78	25.93	1.85	15.016		
296.92	296.90	296.54	296.52	0.97	0.96	82.35	20.67	-17.83	27.77	25.85	1.93	14.425		
329.08	329.05	328.52	328.49	1.08	1.07	78.78	20.80	-17.99	27.84	25.68	2.16	12.917		
371.78	371.73	370.81	370.78	1.24	1.22	74.98	21.19	-18.66	28.24	25.78	2.46	11.479		
414.48	414.41	413.45	413.40	1.39	1.38	63.96	21.72	-19.76	28.76	25.99	2.77	10.396		
457.18	457.07	456.09	456.02	1.54	1.53	53.67	22.26	-21.01	28.96	25.89	3.07	9.428		
499.88	499.73	498.95	498.85	1.70	1.69	53.68	22.60	-22.47	28.78	25.40	3.38	8.517		
542.58	542.37	541.84	541.70	1.85	1.84	54.91	22.51	-24.17	28.15	24.46	3.69	7.634		
585.28	584.99	584.69	584.52	2.00	1.99	52.91	21.98	-26.12	27.06	23.07	4.00	6.771		
627.98	627.61	627.14	626.91	2.16	2.15	54.72	21.42	-28.23	25.98	21.67	4.30	6.035		
670.68	670.24	669.92	669.64	2.31	2.30	62.24	21.11	-30.15	25.29	20.68	4.62	5.480		
707.95	707.47	707.00	706.69	2.45	2.44	63.56	21.05	-31.56	25.06	20.17	4.89	5.129		
713.38	712.89	712.40	712.09	2.47	2.46	63.75	21.07	-31.76	25.06	20.14	4.92	5.089		
756.08	755.57	754.91	754.56	2.62	2.61	57.72	21.28	-33.64	25.39	20.15	5.23	4.851		
798.78	798.26	797.91	797.51	2.78	2.77	49.44	21.33	-35.68	25.80	20.26	5.54	4.656		
841.48	840.95	840.40	839.95	2.93	2.92	18.12	21.21	-37.70	26.30	20.45	5.85	4.499		
884.18	883.65	882.95	882.44	3.08	3.08	24.78	21.25	-39.94	27.31	21.16	6.15	4.441		
926.88	926.35	925.70	925.14	3.23	3.24	29.65	21.57	-41.85	28.52	22.07	6.45	4.419		
969.58	969.05	968.64	968.06	3.38	3.39	67.36	21.71	-43.55	29.57	22.81	6.76	4.374		
1,012.28	1,011.75	1,011.42	1,010.80	3.53	3.55	7.82	21.53	-45.20	30.29	23.23	7.06	4.288		
1,054.98	1,054.45	1,053.98	1,053.33	3.68	3.70	31.61	21.47	-46.74	30.96	23.59	7.37	4.202		
1,097.68	1,097.15	1,096.64	1,095.96	3.84	3.86	82.67	21.36	-48.46	31.92	24.25	7.67	4.161		
1,140.38	1,139.85	1,139.45	1,138.73	3.99	4.01	38.92	21.16	-50.18	32.92	24.94	7.98	4.126		
1,183.08	1,182.55	1,181.94	1,181.19	4.14	4.17	32.56	21.00	-51.88	33.86	25.58	8.28	4.089		
1,225.78	1,225.24	1,224.47	1,223.67	4.29	4.32	38.10	20.93	-53.79	35.03	26.44	8.59	4.079		
1,268.48	1,267.94	1,267.52	1,266.69	4.44	4.48	-94.54	20.95	-55.49	36.25	27.36	8.89	4.079		
1,311.18	1,310.64	1,310.40	1,309.55	4.58	4.64	-80.77	20.97	-56.72	37.24	28.06	9.18	4.056		
1,353.88	1,353.34	1,353.27	1,352.42	4.72	4.79	-94.36	21.00	-57.67	38.02	28.55	9.48	4.012		
1,396.58	1,396.03	1,395.85	1,394.99	4.87	4.94	-78.30	21.07	-58.51	38.71	28.94	9.77	3.962		
1,439.28	1,438.72	1,438.58	1,437.71	5.01	5.10	-102.64	21.09	-59.43	39.52	29.45	10.07	3.926		
1,481.98	1,481.42	1,481.07	1,480.18	5.15	5.25	-89.43	21.22	-60.36	40.48	30.12	10.36	3.907		
1,524.68	1,524.11	1,523.80	1,522.91	5.30	5.40	-100.64	21.45	-61.32	41.50	30.84	10.66	3.894		
1,567.38	1,566.81	1,566.51	1,565.60	5.44	5.56	-86.05	21.57	-62.29	42.46	31.51	10.95	3.876		
1,610.08	1,609.51	1,609.08	1,608.16	5.59	5.71	-109.50	21.69	-63.30	43.50	32.25	11.25	3.866		
1,652.78	1,652.20	1,652.53	1,651.60	5.73	5.87	-141.57	21.89	-63.96	44.49	32.94	11.55	3.852		
1,695.48	1,694.90	1,695.49	1,694.57	5.88	6.02	-136.33	21.98	-64.09	45.02	33.18	11.84	3.801		
1,738.18	1,737.60	1,738.05	1,737.12	6.02	6.17	-137.80	22.00	-64.19	45.40	33.26	12.14	3.739		
1,780.88	1,780.30	1,780.82	1,779.89	6.17	6.32	-164.95	22.02	-64.33	45.84	33.40	12.44	3.685		
1,823.58	1,823.00	1,823.47	1,822.54	6.31	6.47	-160.42	21.96	-64.49	46.29	33.56	12.73	3.635		
1,866.28	1,865.69	1,866.68	1,865.75	6.46	6.62	-160.10	21.74	-64.48	46.60	33.57	13.02	3.578		
1,908.98	1,908.39	1,909.25	1,908.32	6.60	6.76	-151.44	21.48	-64.29	46.82	33.51	13.31	3.517		
1,951.68	1,951.09	1,951.69	1,950.76	6.75	6.90	-159.04	21.28	-64.27	47.20	33.60	13.60	3.470		
1,994.38	1,993.78	1,994.81	1,993.88	6.89	7.05	-154.39	20.94	-64.22	47.55	33.66	13.89	3.423		

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

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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				
2,037.08	2,036.48	2,037.38	2,036.44	7.04	7.19	-159.15	20.42	-64.10	47.88	33.70	14.18	3.376				
2,079.78	2,079.17	2,080.50	2,079.56	7.19	7.33	-176.64	19.74	-63.88	48.08	33.61	14.47	3.323				
2,083.54	2,082.93	2,084.30	2,083.36	7.20	7.35	-174.45	19.67	-63.85	48.08	33.58	14.50	3.317				
2,122.48	2,121.87	2,123.00	2,122.05	7.33	7.48	-155.06	19.02	-63.58	48.17	33.41	14.76	3.263				
2,177.48	2,176.86	2,177.85	2,176.89	7.43	7.66	-156.36	18.19	-63.37	48.54	33.50	15.04	3.227				
2,200.00	2,199.38	2,200.36	2,199.40	7.43	7.74	-154.42	17.87	-63.31	48.64	33.52	15.12	3.217				
2,300.00	2,299.37	2,299.59	2,298.61	7.45	8.08	16.63	15.71	-63.86	47.74	32.25	15.49	3.083				
2,400.00	2,399.27	2,398.53	2,397.39	7.48	8.43	12.91	11.34	-66.93	45.64	29.78	15.87	2.877				
2,500.00	2,498.95	2,497.27	2,495.75	7.54	8.80	5.59	4.74	-72.53	42.89	26.64	16.25	2.639				
2,599.85	2,598.15	2,595.61	2,593.35	7.62	9.16	-5.59	-4.06	-80.64	40.41	23.78	16.62	2.431				
2,634.83	2,632.83	2,630.00	2,627.38	7.65	9.30	-10.46	-7.65	-84.07	40.07	23.32	16.75	2.392				
2,700.00	2,697.44	2,693.94	2,690.48	7.72	9.54	-20.04	-15.06	-91.26	41.32	24.34	16.98	2.433				
2,800.00	2,796.58	2,806.91	2,788.08	7.85	9.99	-33.36	-27.52	-103.52	46.83	29.36	17.47	2.681				
2,900.00	2,895.72	2,907.59	2,885.84	7.99	10.40	-43.49	-40.01	-115.82	54.34	36.36	17.98	3.023				
3,000.00	2,994.86	3,008.27	2,983.59	8.16	10.81	-51.01	-52.51	-128.13	63.13	44.60	18.53	3.407				
3,100.00	3,094.00	3,091.04	3,081.35	8.34	11.15	-56.63	-65.01	-140.43	72.73	53.69	19.04	3.820				
3,200.00	3,193.14	3,209.64	3,179.11	8.54	11.65	-60.91	-77.50	-152.73	82.86	63.16	19.70	4.205				
3,300.00	3,292.28	3,289.68	3,276.87	8.76	11.99	-64.24	-90.00	-165.03	93.35	73.11	20.25	4.611				
3,400.00	3,391.42	3,389.00	3,374.62	8.99	12.41	-66.90	-102.50	-177.33	104.09	83.22	20.87	4.987				
3,500.00	3,490.56	3,488.31	3,472.38	9.23	12.83	-69.06	-114.99	-189.63	115.01	93.49	21.52	5.345				
3,600.00	3,589.70	3,587.63	3,570.14	9.49	13.26	-70.84	-127.49	-201.93	126.07	103.89	22.18	5.684				
3,700.00	3,688.84	3,686.95	3,667.90	9.76	13.69	-72.33	-139.99	-214.23	137.22	114.37	22.85	6.006				
3,800.00	3,787.98	3,786.27	3,765.65	10.04	14.13	-73.60	-152.48	-226.53	148.45	124.92	23.53	6.309				
3,900.00	3,887.12	3,885.58	3,863.41	10.33	14.56	-74.69	-164.98	-238.83	159.75	135.52	24.22	6.594				
4,000.00	3,986.26	3,984.90	3,961.17	10.62	15.00	-75.64	-177.47	-251.13	171.09	146.16	24.93	6.864				
4,100.00	4,085.40	4,084.22	4,058.92	10.93	15.44	-76.46	-189.97	-263.43	182.48	156.84	25.64	7.117				
4,200.00	4,184.54	4,183.54	4,156.68	11.24	15.88	-77.19	-202.47	-275.73	193.89	167.53	26.36	7.355				
4,300.00	4,283.68	4,282.85	4,254.44	11.56	16.32	-77.84	-214.96	-288.04	205.34	178.25	27.09	7.580				
4,400.00	4,382.82	4,382.17	4,352.20	11.89	16.77	-78.42	-227.46	-300.34	216.81	188.98	27.82	7.792				
4,500.00	4,481.97	4,481.49	4,449.95	12.22	17.21	-78.95	-239.96	-312.64	228.29	199.73	28.57	7.992				
4,600.00	4,581.11	4,580.81	4,547.71	12.56	17.66	-79.42	-252.45	-324.94	239.80	210.48	29.32	8.180				
4,700.00	4,680.25	4,680.12	4,645.47	12.90	18.10	-79.85	-264.95	-337.24	251.32	221.25	30.07	8.358				
4,800.00	4,779.39	4,779.44	4,743.23	13.25	18.55	-80.24	-277.45	-349.54	262.85	232.02	30.83	8.526				
4,900.00	4,878.53	4,878.76	4,840.98	13.60	19.00	-80.60	-289.94	-361.84	274.40	242.80	31.59	8.686				
5,000.00	4,977.67	4,978.08	4,938.74	13.96	19.45	-80.93	-302.44	-374.14	285.95	253.59	32.36	8.836				
5,100.00	5,076.81	5,077.39	5,036.50	14.32	19.90	-81.23	-314.94	-386.44	297.51	264.38	33.13	8.979				
5,200.00	5,175.95	5,176.71	5,134.26	14.68	20.35	-81.51	-327.43	-398.74	309.08	275.17	33.91	9.115				
5,300.00	5,275.09	5,276.03	5,232.01	15.05	20.81	-81.77	-339.93	-411.04	320.66	285.97	34.69	9.244				
5,400.00	5,374.23	5,375.35	5,329.77	15.42	21.26	-82.02	-352.42	-423.34	332.24	296.77	35.47	9.366				
5,500.00	5,473.37	5,474.66	5,427.53	15.79	21.71	-82.24	-364.92	-435.64	343.83	307.57	36.26	9.483				
5,600.00	5,572.51	5,573.98	5,525.28	16.16	22.17	-82.45	-377.42	-447.95	355.42	318.37	37.05	9.594				
5,700.00	5,671.65	5,673.30	5,623.04	16.54	22.62	-82.65	-389.91	-460.25	367.02	329.18	37.84	9.699				
5,800.00	5,770.79	5,772.62	5,720.80	16.92	23.08	-82.84	-402.41	-472.55	378.62	339.99	38.63	9.800				
5,900.00	5,869.93	5,871.93	5,818.56	17.30	23.53	-83.01	-414.91	-484.85	390.23	350.79	39.43	9.896				
6,000.00	5,969.07	5,971.25	5,916.31	17.68	23.99	-83.18	-427.40	-497.15	401.83	361.60	40.23	9.988				
6,100.00	6,068.21	6,070.57	6,014.07	18.07	24.45	-83.33	-439.90	-509.45	413.45	372.41	41.03	10.076				
6,200.00	6,167.35	6,169.89	6,111.83	18.45	24.90	-83.48	-452.40	-521.75	425.06	383.23	41.83	10.161				
6,300.00	6,266.49	6,269.20	6,209.59	18.84	25.36	-83.62	-464.89	-534.05	436.68	394.04	42.64	10.241				
6,400.00	6,365.63	6,368.52	6,307.34	19.23	25.82	-83.75	-477.39	-546.35	448.30	404.85	43.45	10.318				
6,500.00	6,464.77	6,467.84	6,405.10	19.62	26.28	-83.88	-489.89	-558.65	459.92	415.66	44.25	10.393				
6,600.00	6,563.91	6,567.16	6,502.86	20.01	26.74	-84.00	-502.38	-570.95	471.54	426.48	45.06	10.464				
6,700.00	6,663.05	6,666.47	6,600.61	20.40	27.19	-84.11	-514.88	-583.25	483.17	437.29	45.88	10.532				

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

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
6,800.00	6,762.19	6,765.79	6,698.37	20.80	27.65	-84.22	-527.37	-595.55	494.80	448.11	46.69	10.598		
6,900.00	6,861.33	6,865.11	6,796.13	21.19	28.11	-84.32	-539.87	-607.86	506.43	458.92	47.50	10.661		
7,000.00	6,960.47	6,964.43	6,893.89	21.59	28.57	-84.42	-552.37	-620.16	518.06	469.74	48.32	10.722		
7,100.00	7,059.61	7,063.74	6,991.64	21.99	29.03	-84.51	-564.86	-632.46	529.69	480.55	49.13	10.780		
7,200.00	7,158.75	7,163.06	7,089.40	22.38	29.49	-84.60	-577.36	-644.76	541.32	491.37	49.95	10.837		
7,300.00	7,257.89	7,262.38	7,187.16	22.78	29.95	-84.69	-589.86	-657.06	552.96	502.19	50.77	10.891		
7,400.00	7,357.03	7,361.70	7,284.92	23.18	30.41	-84.77	-602.35	-669.36	564.59	513.00	51.59	10.944		
7,495.63	7,451.84	7,456.67	7,378.40	23.57	30.85	-84.85	-614.30	-681.12	575.72	523.35	52.37	10.992		
7,500.00	7,456.17	7,461.00	7,382.66	23.58	30.88	-85.03	-614.85	-681.69	576.23	523.82	52.41	10.994		
7,550.00	7,505.33	7,510.57	7,431.05	23.81	31.12	-85.98	-621.03	-690.43	582.00	529.14	52.86	11.010		
7,600.00	7,553.51	7,560.19	7,478.54	24.06	31.39	-86.10	-627.11	-703.37	587.66	534.29	53.37	11.011		
7,650.00	7,600.34	7,609.86	7,524.80	24.36	31.69	-85.96	-633.02	-720.42	593.15	539.21	53.95	10.995		
7,700.00	7,645.48	7,659.58	7,569.46	24.70	32.01	-85.71	-638.73	-741.47	598.45	543.87	54.58	10.964		
7,750.00	7,688.57	7,709.37	7,612.21	25.07	32.35	-85.41	-644.20	-766.38	603.51	548.22	55.29	10.915		
7,800.00	7,729.30	7,759.24	7,652.71	25.49	32.71	-85.09	-649.38	-794.98	608.30	552.23	56.07	10.849		
7,850.00	7,767.34	7,809.18	7,690.64	25.94	33.10	-84.78	-654.23	-827.08	612.76	555.84	56.92	10.765		
7,900.00	7,802.41	7,859.20	7,725.71	26.45	33.52	-84.49	-658.72	-862.44	616.88	559.03	57.85	10.663		
7,950.00	7,834.25	7,909.29	7,757.64	27.00	33.97	-84.21	-662.81	-900.80	620.62	561.76	58.87	10.543		
8,000.00	7,862.60	7,959.47	7,786.16	27.59	34.45	-83.97	-666.46	-941.90	623.95	563.99	59.97	10.405		
8,050.00	7,887.26	8,009.71	7,811.04	28.24	34.97	-83.75	-669.64	-985.42	626.85	565.69	61.16	10.249		
8,100.00	7,908.04	8,060.03	7,832.07	28.94	35.52	-83.57	-672.34	-1,031.03	629.30	566.85	62.44	10.078		
8,150.00	7,924.78	8,110.40	7,849.06	29.68	36.10	-83.43	-674.52	-1,078.38	631.26	567.46	63.81	9.893		
8,200.00	7,937.35	8,160.82	7,861.88	30.46	36.72	-83.32	-676.16	-1,127.10	632.74	567.49	65.25	9.697		
8,250.00	7,945.65	8,211.28	7,870.41	31.28	37.37	-83.26	-677.26	-1,176.81	633.72	566.96	66.76	9.492		
8,300.00	7,949.63	8,261.77	7,874.57	32.12	38.04	-83.23	-677.80	-1,227.10	634.19	565.86	68.32	9.282		
8,320.64	7,950.00	8,282.62	7,875.00	32.47	38.33	-83.24	-677.86	-1,247.95	634.23	565.25	68.98	9.194		
8,400.00	7,950.00	8,361.99	7,875.00	33.88	39.47	-83.24	-677.87	-1,327.32	634.23	562.62	71.61	8.856		
8,500.00	7,950.00	8,461.99	7,875.00	35.75	41.02	-83.24	-677.88	-1,427.32	634.23	559.11	75.12	8.443		
8,600.00	7,950.00	8,561.99	7,875.00	37.73	42.68	-83.24	-677.90	-1,527.32	634.23	555.39	78.84	8.045		
8,700.00	7,950.00	8,661.99	7,875.00	39.79	44.45	-83.24	-677.91	-1,627.32	634.23	551.50	82.73	7.666		
8,800.00	7,950.00	8,761.99	7,875.00	41.92	46.31	-83.24	-677.93	-1,727.32	634.23	547.45	86.78	7.309		
8,900.00	7,950.00	8,861.99	7,875.00	44.11	48.25	-83.24	-677.94	-1,827.32	634.23	543.27	90.96	6.973		
9,000.00	7,950.00	8,961.99	7,875.00	46.36	50.27	-83.24	-677.95	-1,927.32	634.23	538.98	95.25	6.658		
9,100.00	7,950.00	9,061.99	7,875.00	48.65	52.34	-83.24	-677.97	-2,027.32	634.23	534.58	99.65	6.364		
9,200.00	7,950.00	9,161.99	7,875.00	50.98	54.47	-83.24	-677.98	-2,127.32	634.23	530.09	104.14	6.090		
9,300.00	7,950.00	9,261.99	7,875.00	53.34	56.66	-83.24	-678.00	-2,227.32	634.23	525.53	108.70	5.835		
9,400.00	7,950.00	9,361.99	7,875.00	55.74	58.88	-83.24	-678.01	-2,327.32	634.23	520.90	113.33	5.596		
9,500.00	7,950.00	9,461.99	7,875.00	58.16	61.15	-83.24	-678.03	-2,427.32	634.23	516.20	118.03	5.374		
9,600.00	7,950.00	9,561.99	7,875.00	60.60	63.44	-83.24	-678.04	-2,527.32	634.23	511.46	122.77	5.166		
9,700.00	7,950.00	9,661.99	7,875.00	63.06	65.77	-83.24	-678.06	-2,627.32	634.23	506.67	127.57	4.972		
9,800.00	7,950.00	9,761.99	7,875.00	65.54	68.13	-83.24	-678.07	-2,727.32	634.23	501.83	132.40	4.790		
9,900.00	7,950.00	9,861.99	7,875.00	68.04	70.51	-83.24	-678.08	-2,827.32	634.23	496.96	137.27	4.620		
10,000.00	7,950.00	9,961.99	7,875.00	70.55	72.92	-83.24	-678.10	-2,927.32	634.23	492.05	142.18	4.461		
10,100.00	7,950.00	10,061.99	7,875.00	73.08	75.34	-83.24	-678.11	-3,027.32	634.23	487.11	147.12	4.311		
10,200.00	7,950.00	10,161.99	7,875.00	75.61	77.78	-83.24	-678.13	-3,127.32	634.23	482.15	152.08	4.170		
10,300.00	7,950.00	10,261.99	7,875.00	78.16	80.24	-83.24	-678.14	-3,227.32	634.23	477.16	157.07	4.038		
10,400.00	7,950.00	10,361.99	7,875.00	80.71	82.71	-83.24	-678.16	-3,327.32	634.23	472.14	162.09	3.913		
10,500.00	7,950.00	10,461.99	7,875.00	83.28	85.20	-83.24	-678.17	-3,427.32	634.23	467.11	167.12	3.795		
10,600.00	7,950.00	10,561.99	7,875.00	85.85	87.69	-83.24	-678.19	-3,527.32	634.23	462.06	172.17	3.684		
10,700.00	7,950.00	10,661.99	7,875.00	88.43	90.20	-83.24	-678.20	-3,627.32	634.23	456.99	177.24	3.578		
10,800.00	7,950.00	10,761.99	7,875.00	91.01	92.72	-83.24	-678.21	-3,727.32	634.23	451.90	182.33	3.479		
10,900.00	7,950.00	10,861.99	7,875.00	93.60	95.25	-83.24	-678.23	-3,827.32	634.23	446.80	187.43	3.384		

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

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	7,950.00	10,961.99	7,875.00	96.20	97.79	-83.24	-678.24	-3,927.32	634.23	441.69	192.54	3.294		
11,100.00	7,950.00	11,061.99	7,875.00	98.80	100.34	-83.24	-678.26	-4,027.32	634.23	436.56	197.67	3.209		
11,200.00	7,950.00	11,161.99	7,875.00	101.41	102.89	-83.24	-678.27	-4,127.32	634.23	431.43	202.80	3.127		
11,300.00	7,950.00	11,261.99	7,875.00	104.02	105.45	-83.24	-678.29	-4,227.32	634.23	426.28	207.95	3.050		
11,400.00	7,950.00	11,361.99	7,875.00	106.63	108.02	-83.24	-678.30	-4,327.32	634.23	421.12	213.11	2.976		
11,500.00	7,950.00	11,461.99	7,875.00	109.25	110.59	-83.24	-678.32	-4,427.32	634.23	415.96	218.28	2.906		
11,600.00	7,950.00	11,561.99	7,875.00	111.88	113.17	-83.24	-678.33	-4,527.32	634.23	410.78	223.45	2.838		
11,700.00	7,950.00	11,661.99	7,875.00	114.50	115.76	-83.24	-678.34	-4,627.32	634.23	405.60	228.63	2.774		
11,800.00	7,950.00	11,761.99	7,875.00	117.13	118.34	-83.24	-678.36	-4,727.32	634.23	400.41	233.83	2.712		
11,900.00	7,950.00	11,861.99	7,875.00	119.76	120.94	-83.24	-678.37	-4,827.32	634.23	395.21	239.02	2.653		
12,000.00	7,950.00	11,961.99	7,875.00	122.39	123.54	-83.24	-678.39	-4,927.32	634.23	390.01	244.23	2.597		
12,100.00	7,950.00	12,061.99	7,875.00	125.03	126.14	-83.24	-678.40	-5,027.32	634.23	384.80	249.44	2.543		
12,200.00	7,950.00	12,161.99	7,875.00	127.67	128.74	-83.24	-678.42	-5,127.32	634.23	379.58	254.65	2.491		
12,300.00	7,950.00	12,261.99	7,875.00	130.31	131.35	-83.24	-678.43	-5,227.32	634.23	374.36	259.87	2.441		
12,400.00	7,950.00	12,361.99	7,875.00	132.95	133.96	-83.24	-678.45	-5,327.32	634.23	369.13	265.10	2.392		
12,500.00	7,950.00	12,461.99	7,875.00	135.60	136.58	-83.24	-678.46	-5,427.32	634.23	363.90	270.33	2.346		
12,600.00	7,950.00	12,561.99	7,875.00	138.24	139.20	-83.24	-678.47	-5,527.32	634.23	358.67	275.56	2.302		
12,700.00	7,950.00	12,661.99	7,875.00	140.89	141.82	-83.24	-678.49	-5,627.32	634.23	353.43	280.80	2.259		
12,800.00	7,950.00	12,761.99	7,875.00	143.54	144.44	-83.24	-678.50	-5,727.32	634.23	348.19	286.05	2.217		
12,900.00	7,950.00	12,861.99	7,875.00	146.19	147.07	-83.24	-678.52	-5,827.32	634.23	342.94	291.29	2.177		
13,000.00	7,950.00	12,961.99	7,875.00	148.84	149.70	-83.24	-678.53	-5,927.32	634.23	337.69	296.54	2.139		
13,100.00	7,950.00	13,061.99	7,875.00	151.50	152.33	-83.24	-678.55	-6,027.32	634.23	332.43	301.80	2.102		
13,200.00	7,950.00	13,161.99	7,875.00	154.15	154.96	-83.24	-678.56	-6,127.32	634.23	327.18	307.05	2.066		
13,300.00	7,950.00	13,261.99	7,875.00	156.81	157.59	-83.24	-678.58	-6,227.32	634.23	321.92	312.32	2.031		
13,400.00	7,950.00	13,361.99	7,875.00	159.47	160.23	-83.24	-678.59	-6,327.32	634.23	316.65	317.58	1.997		
13,500.00	7,950.00	13,461.99	7,875.00	162.13	162.87	-83.24	-678.60	-6,427.32	634.23	311.39	322.84	1.965		
13,600.00	7,950.00	13,561.99	7,875.00	164.79	165.51	-83.24	-678.62	-6,527.32	634.23	306.12	328.11	1.933		
13,700.00	7,950.00	13,661.99	7,875.00	167.45	168.15	-83.24	-678.63	-6,627.32	634.23	300.85	333.38	1.902		
13,800.00	7,950.00	13,761.99	7,875.00	170.11	170.79	-83.24	-678.65	-6,727.32	634.23	295.57	338.66	1.873		
13,900.00	7,950.00	13,861.99	7,875.00	172.77	173.44	-83.24	-678.66	-6,827.32	634.23	290.30	343.93	1.844		
14,000.00	7,950.00	13,961.99	7,875.00	175.44	176.09	-83.24	-678.68	-6,927.32	634.23	285.02	349.21	1.816		
14,100.00	7,950.00	14,061.99	7,875.00	178.10	178.73	-83.24	-678.69	-7,027.32	634.23	279.74	354.49	1.789		
14,200.00	7,950.00	14,161.99	7,875.00	180.77	181.38	-83.24	-678.70	-7,127.32	634.23	274.46	359.77	1.763		
14,300.00	7,950.00	14,261.99	7,875.00	183.43	184.03	-83.24	-678.72	-7,227.32	634.23	269.18	365.06	1.737		
14,400.00	7,950.00	14,361.99	7,875.00	186.10	186.68	-83.24	-678.73	-7,327.32	634.23	263.89	370.34	1.713		
14,500.00	7,950.00	14,461.99	7,875.00	188.77	189.34	-83.24	-678.75	-7,427.32	634.23	258.60	375.63	1.688		
14,600.00	7,950.00	14,561.99	7,875.00	191.43	191.99	-83.24	-678.76	-7,527.32	634.23	253.31	380.92	1.665		
14,700.00	7,950.00	14,661.99	7,875.00	194.10	194.64	-83.24	-678.78	-7,627.32	634.23	248.02	386.21	1.642		
14,800.00	7,950.00	14,761.99	7,875.00	196.77	197.30	-83.24	-678.79	-7,727.32	634.23	242.73	391.50	1.620		
14,900.00	7,950.00	14,861.99	7,875.00	199.44	199.96	-83.24	-678.81	-7,827.32	634.23	237.44	396.79	1.598		
15,000.00	7,950.00	14,961.99	7,875.00	202.11	202.61	-83.24	-678.82	-7,927.32	634.23	232.14	402.09	1.577		
15,100.00	7,950.00	15,061.99	7,875.00	204.78	205.27	-83.24	-678.83	-8,027.32	634.23	226.85	407.39	1.557		
15,200.00	7,950.00	15,161.99	7,875.00	207.45	207.93	-83.24	-678.85	-8,127.32	634.23	221.55	412.68	1.537		
15,300.00	7,950.00	15,261.99	7,875.00	210.13	210.59	-83.24	-678.86	-8,227.32	634.23	216.25	417.98	1.517		
15,400.00	7,950.00	15,361.99	7,875.00	212.80	213.25	-83.24	-678.88	-8,327.32	634.23	210.95	423.28	1.498 Level 3		
15,500.00	7,950.00	15,461.99	7,875.00	215.47	215.91	-83.24	-678.89	-8,427.32	634.23	205.65	428.58	1.480 Level 3		
15,600.00	7,950.00	15,561.99	7,875.00	218.15	218.58	-83.24	-678.91	-8,527.32	634.23	200.35	433.89	1.462 Level 3		
15,700.00	7,950.00	15,661.99	7,875.00	220.82	221.24	-83.24	-678.92	-8,627.32	634.23	195.04	439.19	1.444 Level 3		
15,800.00	7,950.00	15,761.99	7,875.00	223.49	223.90	-83.24	-678.94	-8,727.32	634.23	189.74	444.49	1.427 Level 3		
15,900.00	7,950.00	15,861.99	7,875.00	226.17	226.57	-83.24	-678.95	-8,827.32	634.23	184.43	449.80	1.410 Level 3		
16,000.00	7,950.00	15,961.99	7,875.00	228.84	229.23	-83.24	-678.96	-8,927.32	634.23	179.13	455.11	1.394 Level 3		
16,100.00	7,950.00	16,061.99	7,875.00	231.52	231.90	-83.24	-678.98	-9,027.32	634.23	173.82	460.41	1.378 Level 3		

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

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	7,950.00	16,161.99	7,875.00	234.20	234.56	-83.24	-678.99	-9,127.32	634.23	168.51	465.72	1.362	Level 3	
16,300.00	7,950.00	16,261.99	7,875.00	236.87	237.23	-83.24	-679.01	-9,227.32	634.23	163.20	471.03	1.346	Level 3	
16,400.00	7,950.00	16,361.99	7,875.00	239.55	239.90	-83.24	-679.02	-9,327.32	634.23	157.89	476.34	1.331	Level 3	
16,500.00	7,950.00	16,461.99	7,875.00	242.22	242.57	-83.24	-679.04	-9,427.32	634.23	152.58	481.65	1.317	Level 3	
16,600.00	7,950.00	16,561.99	7,875.00	244.90	245.23	-83.24	-679.05	-9,527.32	634.23	147.27	486.96	1.302	Level 3	
16,700.00	7,950.00	16,661.99	7,875.00	247.58	247.90	-83.24	-679.07	-9,627.32	634.23	141.96	492.28	1.288	Level 3	
16,800.00	7,950.00	16,761.99	7,875.00	250.26	250.57	-83.24	-679.08	-9,727.32	634.23	136.64	497.59	1.275	Level 3	
16,900.00	7,950.00	16,861.99	7,875.00	252.94	253.24	-83.24	-679.09	-9,827.32	634.23	131.33	502.90	1.261	Level 3	
17,000.00	7,950.00	16,961.99	7,875.00	255.61	255.91	-83.24	-679.11	-9,927.32	634.23	126.01	508.22	1.248	Level 2	
17,100.00	7,950.00	17,061.99	7,875.00	258.29	258.58	-83.24	-679.12	-10,027.32	634.23	120.70	513.53	1.235	Level 2	
17,200.00	7,950.00	17,161.99	7,875.00	260.97	261.25	-83.24	-679.14	-10,127.32	634.23	115.38	518.85	1.222	Level 2	
17,300.00	7,950.00	17,261.99	7,875.00	263.65	263.93	-83.24	-679.15	-10,227.32	634.23	110.07	524.17	1.210	Level 2	
17,400.00	7,950.00	17,361.99	7,875.00	266.33	266.60	-83.24	-679.17	-10,327.32	634.23	104.75	529.48	1.198	Level 2	
17,500.00	7,950.00	17,461.99	7,875.00	269.01	269.27	-83.24	-679.18	-10,427.32	634.23	99.43	534.80	1.186	Level 2	
17,600.00	7,950.00	17,561.99	7,875.00	271.69	271.94	-83.24	-679.20	-10,527.32	634.23	94.11	540.12	1.174	Level 2	
17,700.00	7,950.00	17,661.99	7,875.00	274.37	274.62	-83.24	-679.21	-10,627.32	634.23	88.79	545.44	1.163	Level 2	
17,800.00	7,950.00	17,761.99	7,875.00	277.05	277.29	-83.24	-679.22	-10,727.32	634.23	83.47	550.76	1.152	Level 2	
17,900.00	7,950.00	17,861.99	7,875.00	279.73	279.96	-83.24	-679.24	-10,827.32	634.23	78.15	556.08	1.141	Level 2	
18,000.00	7,950.00	17,961.99	7,875.00	282.41	282.64	-83.24	-679.25	-10,927.32	634.23	72.83	561.40	1.130	Level 2	
18,100.00	7,950.00	18,061.99	7,875.00	285.09	285.31	-83.24	-679.27	-11,027.32	634.23	67.51	566.72	1.119	Level 2	
18,200.00	7,950.00	18,161.99	7,875.00	287.77	287.99	-83.24	-679.28	-11,127.32	634.23	62.19	572.04	1.109	Level 2	
18,300.00	7,950.00	18,261.99	7,875.00	290.45	290.66	-83.24	-679.30	-11,227.32	634.23	56.87	577.36	1.098	Level 2	
18,400.00	7,950.00	18,361.99	7,875.00	293.14	293.34	-83.24	-679.31	-11,327.32	634.23	51.55	582.69	1.088	Level 2	
18,500.00	7,950.00	18,461.99	7,875.00	295.82	296.01	-83.24	-679.33	-11,427.32	634.23	46.22	588.01	1.079	Level 2	
18,600.00	7,950.00	18,561.99	7,875.00	298.50	298.69	-83.24	-679.34	-11,527.32	634.23	40.90	593.33	1.069	Level 2	
18,700.00	7,950.00	18,661.99	7,875.00	301.18	301.36	-83.24	-679.35	-11,627.32	634.23	35.58	598.66	1.059	Level 2	
18,800.00	7,950.00	18,761.99	7,875.00	303.86	304.04	-83.24	-679.37	-11,727.32	634.23	30.25	603.98	1.050	Level 2	
18,900.00	7,950.00	18,861.99	7,875.00	306.55	306.72	-83.24	-679.38	-11,827.32	634.23	24.93	609.30	1.041	Level 2	
19,000.00	7,950.00	18,961.99	7,875.00	309.23	309.39	-83.24	-679.40	-11,927.32	634.23	19.60	614.63	1.032	Level 2	
19,100.00	7,950.00	19,061.99	7,875.00	311.91	312.07	-83.24	-679.41	-12,027.32	634.23	14.28	619.95	1.023	Level 2	
19,200.00	7,950.00	19,161.99	7,875.00	314.59	314.75	-83.24	-679.43	-12,127.32	634.23	8.95	625.28	1.014	Level 2	
19,300.00	7,950.00	19,261.99	7,875.00	317.28	317.43	-83.24	-679.44	-12,227.32	634.23	3.63	630.61	1.006	Level 2	
19,400.00	7,950.00	19,361.99	7,875.00	319.96	320.11	-83.24	-679.46	-12,327.32	634.23	-1.70	635.93	0.997	Level 1	
19,500.00	7,950.00	19,461.99	7,875.00	322.64	322.78	-83.24	-679.47	-12,427.32	634.23	-7.03	641.26	0.989	Level 1	
19,600.00	7,950.00	19,561.99	7,875.00	325.33	325.46	-83.24	-679.48	-12,527.32	634.23	-12.35	646.59	0.981	Level 1	
19,700.00	7,950.00	19,661.99	7,875.00	328.01	328.14	-83.24	-679.50	-12,627.32	634.23	-17.68	651.91	0.973	Level 1	
19,800.00	7,950.00	19,761.99	7,875.00	330.69	330.82	-83.24	-679.51	-12,727.32	634.23	-23.01	657.24	0.965	Level 1	
19,900.00	7,950.00	19,861.99	7,875.00	333.38	333.50	-83.24	-679.53	-12,827.32	634.23	-28.34	662.57	0.957	Level 1	
20,000.00	7,950.00	19,961.99	7,875.00	336.06	336.18	-83.24	-679.54	-12,927.32	634.23	-33.67	667.90	0.950	Level 1	
20,100.00	7,950.00	20,061.99	7,875.00	338.74	338.86	-83.24	-679.56	-13,027.32	634.23	-38.99	673.23	0.942	Level 1	
20,200.00	7,950.00	20,161.99	7,875.00	341.43	341.54	-83.24	-679.57	-13,127.32	634.23	-44.32	678.56	0.935	Level 1	
20,300.00	7,950.00	20,261.99	7,875.00	344.11	344.22	-83.24	-679.59	-13,227.32	634.23	-49.65	683.88	0.927	Level 1	
20,400.00	7,950.00	20,361.99	7,875.00	346.80	346.90	-83.24	-679.60	-13,327.32	634.23	-54.98	689.21	0.920	Level 1	
20,500.00	7,950.00	20,461.99	7,875.00	349.48	349.58	-83.24	-679.61	-13,427.32	634.23	-60.31	694.54	0.913	Level 1	
20,600.00	7,950.00	20,561.99	7,875.00	352.17	352.26	-83.24	-679.63	-13,527.32	634.23	-65.64	699.87	0.906	Level 1	
20,700.00	7,950.00	20,661.99	7,875.00	354.85	354.94	-83.24	-679.64	-13,627.32	634.23	-70.97	705.20	0.899	Level 1	
20,800.00	7,950.00	20,761.99	7,875.00	357.54	357.62	-83.24	-679.66	-13,727.32	634.23	-76.30	710.53	0.893	Level 1	
20,900.00	7,950.00	20,861.99	7,875.00	360.22	360.30	-83.24	-679.67	-13,827.32	634.23	-81.63	715.87	0.886	Level 1	
21,000.00	7,950.00	20,961.99	7,875.00	362.91	362.98	-83.24	-679.69	-13,927.32	634.23	-86.96	721.20	0.879	Level 1	
21,100.00	7,950.00	21,061.99	7,875.00	365.59	365.66	-83.24	-679.70	-14,027.32	634.23	-92.30	726.53	0.873	Level 1	
21,200.00	7,950.00	21,161.99	7,875.00	368.28	368.34	-83.24	-679.71	-14,127.32	634.23	-97.63	731.86	0.867	Level 1	
21,300.00	7,950.00	21,261.99	7,875.00	370.96	371.02	-83.24	-679.73	-14,227.32	634.23	-102.96	737.19	0.860	Level 1	

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

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	7,950.00	21,361.99	7,875.00	373.65	373.70	-83.24	-679.74	-14,327.32	634.23	-108.29	742.52	0.854	Level 1				
21,500.00	7,950.00	21,461.99	7,875.00	376.33	376.39	-83.24	-679.76	-14,427.32	634.23	-113.62	747.85	0.848	Level 1				
21,600.00	7,950.00	21,561.99	7,875.00	379.02	379.07	-83.24	-679.77	-14,527.32	634.23	-118.96	753.19	0.842	Level 1				
21,700.00	7,950.00	21,661.99	7,875.00	381.70	381.75	-83.24	-679.79	-14,627.32	634.23	-124.29	758.52	0.836	Level 1				
21,800.00	7,950.00	21,761.99	7,875.00	384.39	384.43	-83.24	-679.80	-14,727.32	634.23	-129.62	763.85	0.830	Level 1				
21,900.00	7,950.00	21,861.99	7,875.00	387.07	387.11	-83.24	-679.82	-14,827.32	634.23	-134.95	769.19	0.825	Level 1				
22,000.00	7,950.00	21,961.99	7,875.00	389.76	389.80	-83.24	-679.83	-14,927.32	634.23	-140.29	774.52	0.819	Level 1				
22,100.00	7,950.00	22,061.99	7,875.00	392.44	392.48	-83.24	-679.84	-15,027.32	634.23	-145.62	779.85	0.813	Level 1				
22,200.00	7,950.00	22,161.99	7,875.00	395.13	395.16	-83.24	-679.86	-15,127.32	634.23	-150.95	785.19	0.808	Level 1				
22,300.00	7,950.00	22,261.99	7,875.00	397.82	397.84	-83.24	-679.87	-15,227.32	634.23	-156.29	790.52	0.802	Level 1				
22,400.00	7,950.00	22,361.99	7,875.00	400.50	400.53	-83.24	-679.89	-15,327.32	634.23	-161.62	795.85	0.797	Level 1				
22,500.00	7,950.00	22,461.99	7,875.00	403.19	403.21	-83.24	-679.90	-15,427.32	634.23	-166.96	801.19	0.792	Level 1				
22,600.00	7,950.00	22,561.99	7,875.00	405.88	405.89	-83.24	-679.92	-15,527.32	634.23	-172.29	806.52	0.786	Level 1				
22,700.00	7,950.00	22,661.99	7,875.00	408.56	408.58	-83.24	-679.93	-15,627.32	634.23	-177.62	811.86	0.781	Level 1				
22,800.00	7,950.00	22,761.99	7,875.00	411.25	411.26	-83.24	-679.95	-15,727.32	634.23	-182.96	817.19	0.776	Level 1				
22,900.00	7,950.00	22,861.99	7,875.00	413.93	413.94	-83.24	-679.96	-15,827.32	634.23	-188.29	822.53	0.771	Level 1				
23,000.00	7,950.00	22,961.99	7,875.00	416.62	416.63	-83.24	-679.97	-15,927.32	634.23	-193.63	827.86	0.766	Level 1				
23,100.00	7,950.00	23,061.99	7,875.00	419.31	419.31	-83.24	-679.99	-16,027.32	634.23	-198.96	833.20	0.761	Level 1				
23,200.00	7,950.00	23,161.99	7,875.00	421.99	421.99	-83.24	-680.00	-16,127.32	634.23	-204.30	838.53	0.756	Level 1				
23,306.83	7,950.00	23,268.82	7,875.00	424.86	424.86	-83.24	-680.02	-16,234.15	634.23	-210.00	844.23	0.751	Level 1, ES, SF				



# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	0.60	0.60	0.00	0.00	141.80	-19.67	15.48	25.03					
29.48	29.48	30.09	30.09	0.01	0.01	-20.38	-19.67	15.46	24.99	24.97	0.02	1,072.156		
60.08	60.08	60.77	60.76	0.12	0.12	-69.27	-19.67	15.36	24.85	24.61	0.24	102.743		
90.68	90.68	91.44	91.44	0.23	0.23	-76.27	-19.63	15.17	24.61	24.15	0.46	53.363		
121.28	121.28	122.08	122.07	0.34	0.34	-75.44	-19.58	14.89	24.33	23.65	0.68	35.755		
151.88	151.88	152.72	152.72	0.45	0.45	-50.08	-19.47	14.57	23.95	23.05	0.90	26.620		
182.48	182.47	183.32	183.32	0.56	0.56	-85.34	-19.36	14.23	23.57	22.45	1.12	21.063		
213.08	213.07	213.96	213.95	0.67	0.67	-87.31	-19.20	13.89	23.20	21.86	1.34	17.339		
243.68	243.67	244.52	244.51	0.78	0.78	-87.02	-19.05	13.53	22.84	21.28	1.56	14.667		
286.38	286.36	287.35	287.33	0.93	0.93	-102.76	-18.82	12.91	22.34	20.47	1.86	11.984		
329.08	329.05	330.08	330.05	1.08	1.09	-111.48	-18.50	12.16	21.90	19.72	2.17	10.089		
371.78	371.73	372.71	372.68	1.24	1.24	-119.02	-18.21	11.41	21.70	19.22	2.48	8.762		
374.07	374.02	375.00	374.97	1.25	1.25	-119.87	-18.20	11.37	21.69	19.20	2.49	8.704 CC, ES		
414.48	414.41	415.25	415.22	1.39	1.39	-134.25	-17.86	10.98	22.00	19.22	2.78	7.914		
457.18	457.07	457.91	457.87	1.54	1.54	-149.49	-17.25	10.97	22.93	19.85	3.08	7.440		
499.88	499.73	500.57	500.52	1.70	1.69	-154.41	-16.46	11.11	24.32	20.93	3.38	7.189		
542.58	542.37	543.19	543.14	1.85	1.84	-157.70	-15.64	11.26	26.10	22.41	3.68	7.084		
585.28	584.99	585.55	585.49	2.00	1.98	-163.27	-14.93	11.58	28.44	24.46	3.98	7.138		
627.98	627.61	628.01	627.94	2.16	2.13	-164.21	-14.37	12.14	31.22	26.94	4.28	7.290		
670.68	670.24	670.52	670.44	2.31	2.28	-159.87	-13.79	12.85	33.96	29.38	4.58	7.415		
713.38	712.89	713.13	713.04	2.47	2.42	-161.52	-13.18	13.62	36.38	31.50	4.88	7.455		
756.08	755.57	755.80	755.70	2.62	2.57	-168.79	-12.51	14.39	38.31	33.14	5.18	7.398		
798.78	798.26	798.41	798.29	2.78	2.72	-176.55	-11.70	15.21	39.84	34.36	5.48	7.272		
841.48	840.95	840.77	840.63	2.93	2.87	153.69	-10.72	16.26	41.18	35.40	5.78	7.128		
884.18	883.65	883.47	883.30	3.08	3.02	162.32	-9.58	17.50	42.41	36.34	6.08	6.980		
926.88	926.35	926.67	926.45	3.23	3.17	167.87	-8.38	18.95	43.83	37.46	6.37	6.877		
969.58	969.05	968.34	968.08	3.38	3.32	-154.19	-7.21	20.64	45.52	38.84	6.68	6.818		
1,012.28	1,011.75	1,010.44	1,010.12	3.53	3.47	147.13	-6.21	22.49	47.53	40.56	6.97	6.817		
1,054.98	1,054.45	1,053.10	1,052.72	3.68	3.62	171.99	-5.57	24.58	49.89	42.62	7.27	6.860		
1,097.68	1,097.15	1,095.73	1,095.30	3.84	3.77	-135.79	-5.25	26.61	52.22	44.65	7.57	6.895		
1,140.38	1,139.85	1,138.53	1,138.06	3.99	3.92	-178.22	-5.11	28.58	54.43	46.55	7.88	6.911		
1,183.08	1,182.55	1,182.23	1,181.73	4.14	4.08	177.31	-5.29	30.09	56.22	48.03	8.18	6.869		
1,225.78	1,225.24	1,225.36	1,224.85	4.29	4.22	-174.85	-5.91	30.95	57.46	48.98	8.49	6.771		
1,268.48	1,267.94	1,269.11	1,268.58	4.44	4.37	55.48	-7.00	31.21	57.87	49.09	8.78	6.589		
1,311.18	1,310.64	1,312.01	1,311.45	4.58	4.52	72.86	-8.39	30.94	57.59	48.52	9.07	6.349		
1,353.88	1,353.34	1,354.90	1,354.32	4.72	4.66	63.02	-9.98	30.45	57.16	47.80	9.36	6.107		
1,396.58	1,396.03	1,397.49	1,396.87	4.87	4.81	83.03	-11.60	29.89	56.75	47.10	9.65	5.882		
1,439.28	1,438.72	1,440.04	1,439.38	5.01	4.95	63.00	-13.24	29.36	56.42	46.48	9.94	5.676		
1,481.98	1,481.42	1,482.94	1,482.24	5.15	5.10	80.18	-14.97	28.74	56.08	45.85	10.23	5.482		
1,524.68	1,524.11	1,525.48	1,524.74	5.30	5.24	72.84	-16.84	27.99	55.84	45.32	10.52	5.307		
1,564.28	1,563.71	1,565.12	1,564.32	5.43	5.38	90.29	-18.90	27.15	55.74	44.94	10.80	5.163		
1,567.38	1,566.81	1,568.22	1,567.41	5.44	5.39	91.81	-19.07	27.08	55.74	44.92	10.82	5.153		
1,610.08	1,609.51	1,610.83	1,609.93	5.59	5.54	72.95	-21.62	25.95	55.74	44.62	11.11	5.016		
1,652.78	1,652.20	1,654.00	1,652.99	5.73	5.68	45.28	-24.36	24.44	55.45	44.04	11.41	4.861		
1,679.96	1,679.38	1,680.69	1,679.60	5.83	5.78	50.82	-26.13	23.40	55.29	43.69	11.59	4.769		
1,695.48	1,694.90	1,695.95	1,694.81	5.88	5.83	54.64	-27.21	22.86	55.34	43.64	11.70	4.731		
1,738.18	1,737.60	1,738.83	1,737.54	6.02	5.98	57.46	-30.32	21.21	55.64	43.65	11.99	4.639		
1,780.88	1,780.30	1,781.32	1,779.85	6.17	6.13	34.77	-33.66	19.19	56.04	43.75	12.29	4.561		
1,823.58	1,823.00	1,824.08	1,822.39	6.31	6.28	44.13	-37.28	16.79	56.62	44.03	12.58	4.499		
1,866.28	1,865.69	1,865.96	1,864.00	6.46	6.43	49.80	-41.22	14.10	57.62	44.75	12.87	4.476		
1,908.98	1,908.39	1,907.95	1,905.62	6.60	6.59	64.36	-45.79	11.09	59.39	46.23	13.16	4.513		
1,951.68	1,951.09	1,949.11	1,946.33	6.75	6.74	62.78	-50.98	7.85	62.19	48.76	13.43	4.630		

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

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
1,994.38	1,993.78	1,990.48	1,987.11	6.89	6.89	73.61	-56.98	4.29	66.18	52.48	13.70	4.831		
2,037.08	2,036.48	2,031.40	2,027.32	7.04	7.05	75.05	-63.55	0.46	71.26	57.31	13.96	5.107		
2,079.78	2,079.17	2,072.35	2,067.45	7.19	7.21	63.15	-70.70	-3.42	77.40	63.19	14.21	5.447		
2,122.48	2,121.87	2,113.40	2,107.62	7.33	7.37	89.57	-78.24	-7.21	84.43	69.96	14.47	5.835		
2,177.48	2,176.86	2,165.68	2,158.63	7.43	7.58	94.07	-88.46	-12.39	94.77	80.07	14.70	6.447		
2,200.00	2,199.38	2,187.60	2,179.99	7.43	7.67	98.12	-92.90	-14.50	99.30	84.53	14.77	6.722		
2,300.00	2,299.37	2,284.71	2,274.54	7.45	8.08	-83.36	-112.61	-24.56	119.90	104.78	15.11	7.933		
2,400.00	2,399.27	2,382.22	2,369.24	7.48	8.51	-79.37	-132.55	-36.55	140.78	125.29	15.49	9.087		
2,500.00	2,498.95	2,480.10	2,464.29	7.54	8.95	-77.95	-152.56	-48.61	161.14	145.23	15.91	10.127		
2,599.85	2,598.15	2,577.99	2,559.34	7.62	9.40	-77.95	-172.57	-60.68	180.75	164.39	16.37	11.044		
2,700.00	2,697.44	2,676.21	2,654.73	7.72	9.86	-78.85	-192.66	-72.79	200.09	183.24	16.86	11.870		
2,800.00	2,796.58	2,774.29	2,749.97	7.85	10.33	-79.60	-212.71	-84.88	219.44	202.07	17.37	12.632		
2,900.00	2,895.72	2,872.36	2,845.20	7.99	10.80	-80.22	-232.76	-96.97	238.82	220.91	17.91	13.335		
3,000.00	2,994.86	2,970.43	2,940.44	8.16	11.28	-80.75	-252.82	-109.06	258.22	239.75	18.47	13.981		
3,100.00	3,094.00	3,068.51	3,035.68	8.34	11.76	-81.21	-272.87	-121.15	277.64	258.59	19.05	14.574		
3,200.00	3,193.14	3,166.58	3,130.92	8.54	12.25	-81.60	-292.92	-133.24	297.07	277.42	19.65	15.119		
3,300.00	3,292.28	3,264.66	3,226.15	8.76	12.74	-81.95	-312.97	-145.33	316.52	296.25	20.27	15.617		
3,400.00	3,391.42	3,362.73	3,321.39	8.99	13.24	-82.26	-333.03	-157.42	335.97	315.07	20.90	16.075		
3,500.00	3,490.56	3,460.80	3,416.63	9.23	13.73	-82.53	-353.08	-169.51	355.44	333.89	21.55	16.493		
3,600.00	3,589.70	3,558.88	3,511.87	9.49	14.23	-82.77	-373.13	-181.61	374.91	352.70	22.21	16.878		
3,700.00	3,688.84	3,656.95	3,607.11	9.76	14.74	-83.00	-393.18	-193.70	394.39	371.50	22.89	17.230		
3,800.00	3,787.98	3,755.03	3,702.34	10.04	15.24	-83.20	-413.24	-205.79	413.87	390.29	23.58	17.554		
3,900.00	3,887.12	3,853.10	3,797.58	10.33	15.75	-83.38	-433.29	-217.88	433.36	409.08	24.28	17.851		
4,000.00	3,986.26	3,951.18	3,892.82	10.62	16.26	-83.54	-453.34	-229.97	452.85	427.86	24.99	18.124		
4,100.00	4,085.40	4,049.25	3,988.06	10.93	16.77	-83.70	-473.40	-242.06	472.34	446.64	25.70	18.377		
4,200.00	4,184.54	4,147.32	4,083.29	11.24	17.28	-83.84	-493.45	-254.15	491.84	465.41	26.43	18.609		
4,300.00	4,283.68	4,245.40	4,178.53	11.56	17.80	-83.97	-513.50	-266.24	511.34	484.17	27.16	18.824		
4,400.00	4,382.82	4,343.47	4,273.77	11.89	18.31	-84.09	-533.55	-278.33	530.84	502.93	27.91	19.022		
4,500.00	4,481.97	4,441.55	4,369.01	12.22	18.83	-84.20	-553.61	-290.42	550.34	521.69	28.65	19.206		
4,600.00	4,581.11	4,539.62	4,464.25	12.56	19.34	-84.30	-573.66	-302.51	569.85	540.44	29.41	19.377		
4,700.00	4,680.25	4,637.69	4,559.48	12.90	19.86	-84.40	-593.71	-314.60	589.36	559.19	30.17	19.536		
4,800.00	4,779.39	4,735.77	4,654.72	13.25	20.38	-84.49	-613.76	-326.69	608.86	577.93	30.93	19.683		
4,900.00	4,878.53	4,833.84	4,749.96	13.60	20.90	-84.58	-633.82	-338.79	628.38	596.67	31.70	19.821		
5,000.00	4,977.67	4,931.92	4,845.20	13.96	21.42	-84.66	-653.87	-350.88	647.89	615.41	32.48	19.949		
5,100.00	5,076.81	5,029.99	4,940.43	14.32	21.94	-84.73	-673.92	-362.97	667.40	634.14	33.26	20.069		
5,200.00	5,175.95	5,128.06	5,035.67	14.68	22.46	-84.81	-693.98	-375.06	686.91	652.88	34.04	20.181		
5,300.00	5,275.09	5,226.14	5,130.91	15.05	22.99	-84.87	-714.03	-387.15	706.43	671.60	34.82	20.286		
5,400.00	5,374.23	5,324.21	5,226.15	15.42	23.51	-84.94	-734.08	-399.24	725.94	690.33	35.61	20.384		
5,500.00	5,473.37	5,422.29	5,321.38	15.79	24.03	-85.00	-754.13	-411.33	745.46	709.06	36.40	20.477		
5,600.00	5,572.51	5,520.36	5,416.62	16.16	24.56	-85.05	-774.19	-423.42	764.98	727.78	37.20	20.564		
5,700.00	5,671.65	5,618.43	5,511.86	16.54	25.08	-85.11	-794.24	-435.51	784.50	746.50	38.00	20.646		
5,800.00	5,770.79	5,716.51	5,607.10	16.92	25.61	-85.16	-814.29	-447.60	804.01	765.22	38.80	20.723		
5,900.00	5,869.93	5,814.58	5,702.34	17.30	26.13	-85.21	-834.34	-459.69	823.53	783.93	39.60	20.796		
6,000.00	5,969.07	5,912.66	5,797.57	17.68	26.66	-85.26	-854.40	-471.78	843.05	802.65	40.41	20.865		
6,100.00	6,068.21	6,010.73	5,892.81	18.07	27.18	-85.30	-874.45	-483.87	862.57	821.36	41.21	20.930		
6,200.00	6,167.35	6,108.81	5,988.05	18.45	27.71	-85.34	-894.50	-495.96	882.09	840.07	42.02	20.992		
6,300.00	6,266.49	6,206.88	6,083.29	18.84	28.24	-85.39	-914.56	-508.06	901.62	858.78	42.83	21.050		
6,400.00	6,365.63	6,304.95	6,178.52	19.23	28.77	-85.43	-934.61	-520.15	921.14	877.49	43.64	21.105		
6,500.00	6,464.77	6,403.03	6,273.76	19.62	29.29	-85.46	-954.66	-532.24	940.66	896.20	44.46	21.158		
6,600.00	6,563.91	6,501.10	6,369.00	20.01	29.82	-85.50	-974.71	-544.33	960.18	914.91	45.27	21.208		
6,700.00	6,663.05	6,600.82	6,464.24	20.40	30.36	-85.53	-994.77	-556.42	979.71	933.61	46.10	21.252		
6,800.00	6,762.19	6,702.75	6,559.48	20.80	30.91	-85.57	-1,014.82	-568.51	999.23	952.29	46.93	21.290		

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

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	6,861.33	6,795.32	6,654.71	21.19	31.41	-85.60	-1,034.87	-580.60	1,018.75	971.02	47.73	21.344		
7,000.00	6,960.47	6,906.60	6,749.95	21.59	32.01	-85.63	-1,054.92	-592.69	1,038.28	989.67	48.61	21.360		
7,100.00	7,059.61	6,991.47	6,845.19	21.99	32.46	-85.66	-1,074.98	-604.78	1,057.80	1,008.43	49.37	21.424		
7,200.00	7,158.75	7,089.55	6,940.43	22.38	32.99	-85.69	-1,095.03	-616.87	1,077.32	1,027.13	50.20	21.462		
7,300.00	7,257.89	7,187.62	7,035.66	22.78	33.52	-85.72	-1,115.08	-628.96	1,096.85	1,045.83	51.02	21.498		
7,400.00	7,357.03	7,285.69	7,130.90	23.18	34.05	-85.74	-1,135.14	-641.05	1,116.37	1,064.53	51.85	21.532		
7,495.63	7,451.84	7,379.48	7,221.98	23.57	34.56	-85.77	-1,154.31	-652.62	1,135.05	1,082.41	52.64	21.563		
7,500.00	7,456.17	7,383.77	7,226.14	23.58	34.58	-85.91	-1,155.19	-653.14	1,135.90	1,083.22	52.67	21.564		
7,550.00	7,505.33	7,432.71	7,273.67	23.81	34.85	-86.56	-1,165.20	-659.18	1,145.64	1,092.52	53.12	21.565		
7,600.00	7,553.51	7,481.23	7,320.79	24.06	35.11	-86.58	-1,175.12	-665.16	1,155.34	1,101.70	53.64	21.540		
7,650.00	7,600.34	7,528.96	7,367.13	24.36	35.37	-86.52	-1,184.87	-671.04	1,164.99	1,110.78	54.21	21.490		
7,700.00	7,645.48	7,575.52	7,412.35	24.70	35.62	-86.50	-1,194.40	-676.78	1,174.64	1,119.80	54.84	21.419		
7,750.00	7,688.57	7,620.58	7,456.10	25.07	35.86	-86.55	-1,203.61	-682.34	1,184.37	1,128.84	55.53	21.328		
7,800.00	7,729.30	7,673.24	7,506.91	25.49	36.16	-86.80	-1,214.31	-691.01	1,194.15	1,137.79	56.36	21.188		
7,850.00	7,767.34	7,729.19	7,559.80	25.94	36.50	-87.07	-1,225.44	-705.39	1,203.74	1,146.46	57.28	21.016		
7,900.00	7,802.41	7,788.39	7,613.98	26.45	36.89	-87.36	-1,236.85	-726.26	1,213.05	1,154.76	58.29	20.812		
7,950.00	7,834.25	7,851.25	7,668.87	27.00	37.32	-87.69	-1,248.41	-754.55	1,221.95	1,162.56	59.38	20.578		
8,000.00	7,862.60	7,918.15	7,723.59	27.59	37.82	-88.06	-1,259.94	-791.22	1,230.29	1,169.72	60.57	20.313		
8,050.00	7,887.26	7,989.43	7,776.86	28.24	38.37	-88.44	-1,271.16	-837.15	1,237.92	1,176.09	61.83	20.021		
8,100.00	7,908.04	8,065.27	7,826.95	28.94	39.01	-88.84	-1,281.71	-893.04	1,244.68	1,181.50	63.18	19.700		
8,150.00	7,924.78	8,145.64	7,871.65	29.68	39.73	-89.22	-1,291.14	-959.08	1,250.37	1,185.76	64.61	19.351		
8,200.00	7,937.35	8,230.19	7,908.44	30.46	40.54	-89.55	-1,298.89	-1,034.73	1,254.83	1,188.69	66.15	18.971		
8,250.00	7,945.65	8,318.18	7,934.74	31.28	41.45	-89.80	-1,304.44	-1,118.43	1,257.90	1,190.13	67.77	18.561		
8,300.00	7,949.63	8,408.48	7,948.37	32.12	42.46	-89.95	-1,307.32	-1,207.55	1,259.45	1,189.96	69.48	18.126		
8,320.64	7,950.00	8,446.09	7,949.97	32.47	42.89	-89.97	-1,307.67	-1,245.12	1,259.63	1,189.42	70.21	17.940		
8,400.00	7,950.00	8,528.21	7,950.00	33.88	43.89	-89.97	-1,307.68	-1,327.23	1,259.63	1,186.79	72.85	17.291		
8,500.00	7,950.00	8,628.21	7,950.00	35.75	45.22	-89.97	-1,307.70	-1,427.23	1,259.63	1,183.28	76.35	16.498		
8,600.00	7,950.00	8,728.21	7,950.00	37.73	46.66	-89.97	-1,307.71	-1,527.23	1,259.63	1,179.57	80.06	15.733		
8,700.00	7,950.00	8,828.21	7,950.00	39.79	48.22	-89.97	-1,307.73	-1,627.23	1,259.63	1,175.68	83.95	15.004		
8,800.00	7,950.00	8,928.21	7,950.00	41.92	49.88	-89.97	-1,307.74	-1,727.23	1,259.63	1,171.63	88.00	14.314		
8,900.00	7,950.00	9,028.21	7,950.00	44.11	51.64	-89.97	-1,307.76	-1,827.23	1,259.63	1,167.45	92.18	13.664		
9,000.00	7,950.00	9,128.21	7,950.00	46.36	53.48	-89.97	-1,307.77	-1,927.23	1,259.63	1,163.15	96.48	13.055		
9,100.00	7,950.00	9,228.21	7,950.00	48.65	55.39	-89.97	-1,307.79	-2,027.23	1,259.63	1,158.74	100.89	12.485		
9,200.00	7,950.00	9,328.21	7,950.00	50.98	57.38	-89.97	-1,307.80	-2,127.23	1,259.63	1,154.25	105.38	11.953		
9,300.00	7,950.00	9,428.21	7,950.00	53.34	59.42	-89.97	-1,307.81	-2,227.23	1,259.63	1,149.68	109.96	11.456		
9,400.00	7,950.00	9,528.21	7,950.00	55.74	61.52	-89.97	-1,307.83	-2,327.23	1,259.63	1,145.03	114.60	10.991		
9,500.00	7,950.00	9,628.21	7,950.00	58.16	63.67	-89.97	-1,307.84	-2,427.23	1,259.63	1,140.33	119.31	10.558		
9,600.00	7,950.00	9,728.21	7,950.00	60.60	65.86	-89.97	-1,307.86	-2,527.23	1,259.63	1,135.57	124.07	10.153		
9,700.00	7,950.00	9,828.21	7,950.00	63.06	68.09	-89.97	-1,307.87	-2,627.23	1,259.63	1,130.76	128.87	9.774		
9,800.00	7,950.00	9,928.21	7,950.00	65.54	70.36	-89.97	-1,307.89	-2,727.23	1,259.63	1,125.91	133.73	9.419		
9,900.00	7,950.00	10,028.21	7,950.00	68.04	72.66	-89.97	-1,307.90	-2,827.23	1,259.63	1,121.02	138.62	9.087		
10,000.00	7,950.00	10,128.21	7,950.00	70.55	74.98	-89.97	-1,307.92	-2,927.23	1,259.63	1,116.09	143.54	8.775		
10,100.00	7,950.00	10,228.21	7,950.00	73.08	77.33	-89.97	-1,307.93	-3,027.23	1,259.63	1,111.13	148.50	8.482		
10,200.00	7,950.00	10,328.21	7,950.00	75.61	79.71	-89.97	-1,307.94	-3,127.23	1,259.63	1,106.15	153.49	8.207		
10,300.00	7,950.00	10,428.21	7,950.00	78.16	82.10	-89.97	-1,307.96	-3,227.23	1,259.63	1,101.13	158.50	7.947		
10,400.00	7,950.00	10,528.21	7,950.00	80.71	84.52	-89.97	-1,307.97	-3,327.23	1,259.63	1,096.10	163.54	7.702		
10,500.00	7,950.00	10,628.21	7,950.00	83.28	86.95	-89.97	-1,307.99	-3,427.23	1,259.63	1,091.04	168.59	7.471		
10,600.00	7,950.00	10,728.21	7,950.00	85.85	89.39	-89.97	-1,308.00	-3,527.23	1,259.63	1,085.96	173.67	7.253		
10,700.00	7,950.00	10,828.21	7,950.00	88.43	91.85	-89.97	-1,308.02	-3,627.23	1,259.63	1,080.87	178.76	7.046		
10,800.00	7,950.00	10,928.21	7,950.00	91.01	94.33	-89.97	-1,308.03	-3,727.23	1,259.63	1,075.76	183.87	6.851		
10,900.00	7,950.00	11,028.21	7,950.00	93.60	96.81	-89.97	-1,308.05	-3,827.23	1,259.63	1,070.63	189.00	6.665		
11,000.00	7,950.00	11,128.21	7,950.00	96.20	99.31	-89.97	-1,308.06	-3,927.23	1,259.63	1,065.49	194.14	6.488		

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

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
11,100.00	7,950.00	11,228.21	7,950.00	98.80	101.82	-89.97	-1,308.07	-4,027.23	1,259.63	1,060.34	199.29	6.321		
11,200.00	7,950.00	11,328.21	7,950.00	101.41	104.34	-89.97	-1,308.09	-4,127.23	1,259.63	1,055.18	204.46	6.161		
11,300.00	7,950.00	11,428.21	7,950.00	104.02	106.87	-89.97	-1,308.10	-4,227.23	1,259.63	1,050.00	209.63	6.009		
11,400.00	7,950.00	11,528.21	7,950.00	106.63	109.40	-89.97	-1,308.12	-4,327.23	1,259.63	1,044.82	214.82	5.864		
11,500.00	7,950.00	11,628.21	7,950.00	109.25	111.94	-89.97	-1,308.13	-4,427.23	1,259.63	1,039.62	220.01	5.725		
11,600.00	7,950.00	11,728.21	7,950.00	111.88	114.49	-89.97	-1,308.15	-4,527.23	1,259.63	1,034.42	225.22	5.593		
11,700.00	7,950.00	11,828.21	7,950.00	114.50	117.05	-89.97	-1,308.16	-4,627.23	1,259.63	1,029.21	230.43	5.467		
11,800.00	7,950.00	11,928.21	7,950.00	117.13	119.61	-89.97	-1,308.18	-4,727.23	1,259.63	1,023.99	235.65	5.345		
11,900.00	7,950.00	12,028.21	7,950.00	119.76	122.18	-89.97	-1,308.19	-4,827.23	1,259.63	1,018.76	240.87	5.229		
12,000.00	7,950.00	12,128.21	7,950.00	122.39	124.75	-89.97	-1,308.20	-4,927.23	1,259.63	1,013.53	246.11	5.118		
12,100.00	7,950.00	12,228.21	7,950.00	125.03	127.33	-89.97	-1,308.22	-5,027.23	1,259.63	1,008.29	251.35	5.012		
12,200.00	7,950.00	12,328.21	7,950.00	127.67	129.91	-89.97	-1,308.23	-5,127.23	1,259.63	1,003.04	256.59	4.909		
12,300.00	7,950.00	12,428.21	7,950.00	130.31	132.50	-89.97	-1,308.25	-5,227.23	1,259.63	997.79	261.84	4.811		
12,400.00	7,950.00	12,528.21	7,950.00	132.95	135.09	-89.97	-1,308.26	-5,327.23	1,259.63	992.54	267.10	4.716		
12,500.00	7,950.00	12,628.21	7,950.00	135.60	137.69	-89.97	-1,308.28	-5,427.23	1,259.63	987.27	272.36	4.625		
12,600.00	7,950.00	12,728.21	7,950.00	138.24	140.29	-89.97	-1,308.29	-5,527.23	1,259.63	982.01	277.63	4.537		
12,700.00	7,950.00	12,828.21	7,950.00	140.89	142.89	-89.97	-1,308.31	-5,627.23	1,259.63	976.74	282.90	4.453		
12,800.00	7,950.00	12,928.21	7,950.00	143.54	145.50	-89.97	-1,308.32	-5,727.23	1,259.63	971.46	288.17	4.371		
12,900.00	7,950.00	13,028.21	7,950.00	146.19	148.11	-89.97	-1,308.33	-5,827.23	1,259.63	966.18	293.45	4.293		
13,000.00	7,950.00	13,128.21	7,950.00	148.84	150.72	-89.97	-1,308.35	-5,927.23	1,259.63	960.90	298.73	4.217		
13,100.00	7,950.00	13,228.21	7,950.00	151.50	153.33	-89.97	-1,308.36	-6,027.23	1,259.63	955.62	304.02	4.143		
13,200.00	7,950.00	13,328.21	7,950.00	154.15	155.95	-89.97	-1,308.38	-6,127.23	1,259.63	950.33	309.31	4.072		
13,300.00	7,950.00	13,428.21	7,950.00	156.81	158.57	-89.97	-1,308.39	-6,227.23	1,259.63	945.04	314.60	4.004		
13,400.00	7,950.00	13,528.21	7,950.00	159.47	161.20	-89.97	-1,308.41	-6,327.23	1,259.63	939.74	319.89	3.938		
13,500.00	7,950.00	13,628.21	7,950.00	162.13	163.82	-89.97	-1,308.42	-6,427.23	1,259.63	934.44	325.19	3.874		
13,600.00	7,950.00	13,728.21	7,950.00	164.79	166.45	-89.97	-1,308.44	-6,527.23	1,259.63	929.14	330.49	3.811		
13,700.00	7,950.00	13,828.21	7,950.00	167.45	169.08	-89.97	-1,308.45	-6,627.23	1,259.63	923.84	335.79	3.751		
13,800.00	7,950.00	13,928.21	7,950.00	170.11	171.71	-89.97	-1,308.46	-6,727.23	1,259.63	918.53	341.10	3.693		
13,900.00	7,950.00	14,028.21	7,950.00	172.77	174.34	-89.97	-1,308.48	-6,827.23	1,259.63	913.23	346.41	3.636		
14,000.00	7,950.00	14,128.21	7,950.00	175.44	176.98	-89.97	-1,308.49	-6,927.23	1,259.63	907.91	351.72	3.581		
14,100.00	7,950.00	14,228.21	7,950.00	178.10	179.61	-89.97	-1,308.51	-7,027.23	1,259.63	902.60	357.03	3.528		
14,200.00	7,950.00	14,328.21	7,950.00	180.77	182.25	-89.97	-1,308.52	-7,127.23	1,259.63	897.29	362.35	3.476		
14,300.00	7,950.00	14,428.21	7,950.00	183.43	184.89	-89.97	-1,308.54	-7,227.23	1,259.63	891.97	367.66	3.426		
14,400.00	7,950.00	14,528.21	7,950.00	186.10	187.53	-89.97	-1,308.55	-7,327.23	1,259.63	886.65	372.98	3.377		
14,500.00	7,950.00	14,628.21	7,950.00	188.77	190.18	-89.97	-1,308.57	-7,427.23	1,259.63	881.33	378.30	3.330		
14,600.00	7,950.00	14,728.21	7,950.00	191.43	192.82	-89.97	-1,308.58	-7,527.23	1,259.63	876.01	383.62	3.284		
14,700.00	7,950.00	14,828.21	7,950.00	194.10	195.47	-89.97	-1,308.59	-7,627.23	1,259.63	870.69	388.95	3.239		
14,800.00	7,950.00	14,928.21	7,950.00	196.77	198.11	-89.97	-1,308.61	-7,727.23	1,259.63	865.36	394.27	3.195		
14,900.00	7,950.00	15,028.21	7,950.00	199.44	200.76	-89.97	-1,308.62	-7,827.23	1,259.63	860.03	399.60	3.152		
15,000.00	7,950.00	15,128.21	7,950.00	202.11	203.41	-89.97	-1,308.64	-7,927.23	1,259.63	854.71	404.93	3.111		
15,100.00	7,950.00	15,228.21	7,950.00	204.78	206.06	-89.97	-1,308.65	-8,027.23	1,259.63	849.38	410.26	3.070		
15,200.00	7,950.00	15,328.21	7,950.00	207.45	208.71	-89.97	-1,308.67	-8,127.23	1,259.63	844.05	415.59	3.031		
15,300.00	7,950.00	15,428.21	7,950.00	210.13	211.36	-89.97	-1,308.68	-8,227.23	1,259.63	838.71	420.92	2.993		
15,400.00	7,950.00	15,528.21	7,950.00	212.80	214.02	-89.97	-1,308.69	-8,327.23	1,259.63	833.38	426.26	2.955		
15,500.00	7,950.00	15,628.21	7,950.00	215.47	216.67	-89.97	-1,308.71	-8,427.23	1,259.63	828.04	431.59	2.919		
15,600.00	7,950.00	15,728.21	7,950.00	218.15	219.33	-89.97	-1,308.72	-8,527.23	1,259.63	822.71	436.93	2.883		
15,700.00	7,950.00	15,828.21	7,950.00	220.82	221.98	-89.97	-1,308.74	-8,627.23	1,259.63	817.37	442.26	2.848		
15,800.00	7,950.00	15,928.21	7,950.00	223.49	224.64	-89.97	-1,308.75	-8,727.23	1,259.63	812.03	447.60	2.814		
15,900.00	7,950.00	16,028.21	7,950.00	226.17	227.30	-89.97	-1,308.77	-8,827.23	1,259.63	806.69	452.94	2.781		
16,000.00	7,950.00	16,128.21	7,950.00	228.84	229.96	-89.97	-1,308.78	-8,927.23	1,259.63	801.35	458.28	2.749		
16,100.00	7,950.00	16,228.21	7,950.00	231.52	232.62	-89.97	-1,308.80	-9,027.23	1,259.63	796.01	463.62	2.717		
16,200.00	7,950.00	16,328.21	7,950.00	234.20	235.28	-89.97	-1,308.81	-9,127.23	1,259.63	790.67	468.97	2.686		

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

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
16,300.00	7,950.00	16,428.21	7,950.00	236.87	237.94	-89.97	-1,308.82	-9,227.23	1,259.63	785.33	474.31	2.656		
16,400.00	7,950.00	16,528.21	7,950.00	239.55	240.60	-89.97	-1,308.84	-9,327.23	1,259.63	779.98	479.65	2.626		
16,500.00	7,950.00	16,628.21	7,950.00	242.22	243.26	-89.97	-1,308.85	-9,427.23	1,259.63	774.64	485.00	2.597		
16,600.00	7,950.00	16,728.21	7,950.00	244.90	245.92	-89.97	-1,308.87	-9,527.23	1,259.63	769.29	490.34	2.569		
16,700.00	7,950.00	16,828.21	7,950.00	247.58	248.59	-89.97	-1,308.88	-9,627.23	1,259.63	763.94	495.69	2.541		
16,800.00	7,950.00	16,928.21	7,950.00	250.26	251.25	-89.97	-1,308.90	-9,727.23	1,259.63	758.60	501.04	2.514		
16,900.00	7,950.00	17,028.21	7,950.00	252.94	253.91	-89.97	-1,308.91	-9,827.23	1,259.63	753.25	506.38	2.488		
17,000.00	7,950.00	17,128.21	7,950.00	255.61	256.58	-89.97	-1,308.93	-9,927.23	1,259.63	747.90	511.73	2.462		
17,100.00	7,950.00	17,228.21	7,950.00	258.29	259.25	-89.97	-1,308.94	-10,027.23	1,259.63	742.55	517.08	2.436		
17,200.00	7,950.00	17,328.21	7,950.00	260.97	261.91	-89.97	-1,308.95	-10,127.23	1,259.63	737.20	522.43	2.411		
17,300.00	7,950.00	17,428.21	7,950.00	263.65	264.58	-89.97	-1,308.97	-10,227.23	1,259.63	731.85	527.78	2.387		
17,400.00	7,950.00	17,528.21	7,950.00	266.33	267.25	-89.97	-1,308.98	-10,327.23	1,259.63	726.50	533.14	2.363		
17,500.00	7,950.00	17,628.21	7,950.00	269.01	269.91	-89.97	-1,309.00	-10,427.23	1,259.63	721.15	538.49	2.339		
17,600.00	7,950.00	17,728.21	7,950.00	271.69	272.58	-89.97	-1,309.01	-10,527.23	1,259.63	715.79	543.84	2.316		
17,700.00	7,950.00	17,828.21	7,950.00	274.37	275.25	-89.97	-1,309.03	-10,627.23	1,259.63	710.44	549.19	2.294		
17,800.00	7,950.00	17,928.21	7,950.00	277.05	277.92	-89.97	-1,309.04	-10,727.23	1,259.63	705.09	554.55	2.271		
17,900.00	7,950.00	18,028.21	7,950.00	279.73	280.59	-89.97	-1,309.06	-10,827.23	1,259.63	699.73	559.90	2.250		
18,000.00	7,950.00	18,128.21	7,950.00	282.41	283.26	-89.97	-1,309.07	-10,927.23	1,259.63	694.38	565.26	2.228		
18,100.00	7,950.00	18,228.21	7,950.00	285.09	285.93	-89.97	-1,309.08	-11,027.23	1,259.63	689.02	570.61	2.208		
18,200.00	7,950.00	18,328.21	7,950.00	287.77	288.60	-89.97	-1,309.10	-11,127.23	1,259.63	683.67	575.97	2.187		
18,300.00	7,950.00	18,428.21	7,950.00	290.45	291.27	-89.97	-1,309.11	-11,227.23	1,259.63	678.31	581.32	2.167		
18,400.00	7,950.00	18,528.21	7,950.00	293.14	293.94	-89.97	-1,309.13	-11,327.23	1,259.63	672.95	586.68	2.147		
18,500.00	7,950.00	18,628.21	7,950.00	295.82	296.62	-89.97	-1,309.14	-11,427.23	1,259.63	667.60	592.04	2.128		
18,600.00	7,950.00	18,728.21	7,950.00	298.50	299.29	-89.97	-1,309.16	-11,527.23	1,259.63	662.24	597.40	2.109		
18,700.00	7,950.00	18,828.21	7,950.00	301.18	301.96	-89.97	-1,309.17	-11,627.23	1,259.63	656.88	602.75	2.090		
18,800.00	7,950.00	18,928.21	7,950.00	303.86	304.63	-89.97	-1,309.19	-11,727.23	1,259.63	651.52	608.11	2.071		
18,900.00	7,950.00	19,028.21	7,950.00	306.55	307.31	-89.97	-1,309.20	-11,827.23	1,259.63	646.16	613.47	2.053		
19,000.00	7,950.00	19,128.21	7,950.00	309.23	309.98	-89.97	-1,309.21	-11,927.23	1,259.63	640.80	618.83	2.036		
19,100.00	7,950.00	19,228.21	7,950.00	311.91	312.65	-89.97	-1,309.23	-12,027.23	1,259.63	635.44	624.19	2.018		
19,200.00	7,950.00	19,328.21	7,950.00	314.59	315.33	-89.97	-1,309.24	-12,127.23	1,259.63	630.08	629.55	2.001		
19,300.00	7,950.00	19,428.21	7,950.00	317.28	318.00	-89.97	-1,309.26	-12,227.23	1,259.63	624.72	634.91	1.984		
19,400.00	7,950.00	19,528.21	7,950.00	319.96	320.68	-89.97	-1,309.27	-12,327.23	1,259.63	619.36	640.27	1.967		
19,500.00	7,950.00	19,628.21	7,950.00	322.64	323.35	-89.97	-1,309.29	-12,427.23	1,259.63	614.00	645.64	1.951		
19,600.00	7,950.00	19,728.21	7,950.00	325.33	326.03	-89.97	-1,309.30	-12,527.23	1,259.63	608.64	651.00	1.935		
19,700.00	7,950.00	19,828.21	7,950.00	328.01	328.70	-89.97	-1,309.32	-12,627.23	1,259.63	603.28	656.36	1.919		
19,800.00	7,950.00	19,928.21	7,950.00	330.69	331.38	-89.97	-1,309.33	-12,727.23	1,259.63	597.91	661.72	1.904		
19,900.00	7,950.00	20,028.21	7,950.00	333.38	334.05	-89.97	-1,309.34	-12,827.23	1,259.63	592.55	667.08	1.888		
20,000.00	7,950.00	20,128.21	7,950.00	336.06	336.73	-89.97	-1,309.36	-12,927.23	1,259.63	587.19	672.45	1.873		
20,100.00	7,950.00	20,228.21	7,950.00	338.74	339.41	-89.97	-1,309.37	-13,027.23	1,259.63	581.82	677.81	1.858		
20,200.00	7,950.00	20,328.21	7,950.00	341.43	342.08	-89.97	-1,309.39	-13,127.23	1,259.63	576.46	683.17	1.844		
20,300.00	7,950.00	20,428.21	7,950.00	344.11	344.76	-89.97	-1,309.40	-13,227.23	1,259.63	571.10	688.54	1.829		
20,400.00	7,950.00	20,528.21	7,950.00	346.80	347.44	-89.97	-1,309.42	-13,327.23	1,259.63	565.73	693.90	1.815		
20,500.00	7,950.00	20,628.21	7,950.00	349.48	350.12	-89.97	-1,309.43	-13,427.23	1,259.63	560.37	699.27	1.801		
20,600.00	7,950.00	20,728.21	7,950.00	352.17	352.79	-89.97	-1,309.45	-13,527.23	1,259.63	555.00	704.63	1.788		
20,700.00	7,950.00	20,828.21	7,950.00	354.85	355.47	-89.97	-1,309.46	-13,627.23	1,259.63	549.64	710.00	1.774		
20,800.00	7,950.00	20,928.21	7,950.00	357.54	358.15	-89.97	-1,309.47	-13,727.23	1,259.63	544.27	715.36	1.761		
20,900.00	7,950.00	21,028.21	7,950.00	360.22	360.83	-89.97	-1,309.49	-13,827.23	1,259.64	538.91	720.73	1.748		
21,000.00	7,950.00	21,128.21	7,950.00	362.91	363.51	-89.97	-1,309.50	-13,927.23	1,259.64	533.54	726.09	1.735		
21,100.00	7,950.00	21,228.21	7,950.00	365.59	366.19	-89.97	-1,309.52	-14,027.23	1,259.64	528.17	731.46	1.722		
21,200.00	7,950.00	21,328.21	7,950.00	368.28	368.86	-89.97	-1,309.53	-14,127.23	1,259.64	522.81	736.83	1.710		
21,300.00	7,950.00	21,428.21	7,950.00	370.96	371.54	-89.97	-1,309.55	-14,227.23	1,259.64	517.44	742.19	1.697		
21,400.00	7,950.00	21,528.21	7,950.00	373.65	374.22	-89.97	-1,309.56	-14,327.23	1,259.64	512.07	747.56	1.685		

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

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SEC 21-T4S-R65W - GRANDE 4-65 20-19 2CH - OWB - PROPOSAL 1												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 29-MWD OWSG, 2165-MWD OWSG												<b>Offset Well Error:</b>	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	
21,500.00	7,950.00	21,628.21	7,950.00	376.33	376.90	-89.97	-1,309.58	-14,427.23	1,259.64	506.71	752.93	1.673	
21,600.00	7,950.00	21,728.21	7,950.00	379.02	379.58	-89.97	-1,309.59	-14,527.23	1,259.64	501.34	758.29	1.661	
21,700.00	7,950.00	21,828.21	7,950.00	381.70	382.26	-89.97	-1,309.60	-14,627.23	1,259.64	495.97	763.66	1.649	
21,800.00	7,950.00	21,928.21	7,950.00	384.39	384.94	-89.97	-1,309.62	-14,727.23	1,259.64	490.61	769.03	1.638	
21,900.00	7,950.00	22,028.21	7,950.00	387.07	387.62	-89.97	-1,309.63	-14,827.23	1,259.64	485.24	774.40	1.627	
22,000.00	7,950.00	22,128.21	7,950.00	389.76	390.30	-89.97	-1,309.65	-14,927.23	1,259.64	479.87	779.77	1.615	
22,100.00	7,950.00	22,228.21	7,950.00	392.44	392.98	-89.97	-1,309.66	-15,027.23	1,259.64	474.50	785.13	1.604	
22,200.00	7,950.00	22,328.21	7,950.00	395.13	395.66	-89.97	-1,309.68	-15,127.23	1,259.64	469.13	790.50	1.593	
22,300.00	7,950.00	22,428.21	7,950.00	397.82	398.34	-89.97	-1,309.69	-15,227.23	1,259.64	463.76	795.87	1.583	
22,400.00	7,950.00	22,528.21	7,950.00	400.50	401.02	-89.97	-1,309.71	-15,327.23	1,259.64	458.39	801.24	1.572	
22,500.00	7,950.00	22,628.21	7,950.00	403.19	403.70	-89.97	-1,309.72	-15,427.23	1,259.64	453.03	806.61	1.562	
22,600.00	7,950.00	22,728.21	7,950.00	405.88	406.39	-89.97	-1,309.73	-15,527.23	1,259.64	447.66	811.98	1.551	
22,700.00	7,950.00	22,828.21	7,950.00	408.56	409.07	-89.97	-1,309.75	-15,627.23	1,259.64	442.29	817.35	1.541	
22,800.00	7,950.00	22,928.21	7,950.00	411.25	411.75	-89.97	-1,309.76	-15,727.23	1,259.64	436.92	822.72	1.531	
22,900.00	7,950.00	23,028.21	7,950.00	413.93	414.43	-89.97	-1,309.78	-15,827.23	1,259.64	431.55	828.09	1.521	
23,000.00	7,950.00	23,128.21	7,950.00	416.62	417.11	-89.97	-1,309.79	-15,927.23	1,259.64	426.18	833.46	1.511	
23,100.00	7,950.00	23,228.21	7,950.00	419.31	419.79	-89.97	-1,309.81	-16,027.23	1,259.64	420.81	838.83	1.502	
23,200.00	7,950.00	23,328.21	7,950.00	421.99	422.47	-89.97	-1,309.82	-16,127.23	1,259.64	415.44	844.20	1.492 Level 3	
23,306.83	7,950.00	23,435.04	7,950.00	424.86	425.34	-89.97	-1,309.84	-16,234.06	1,259.64	409.70	849.93	1.482 Level 3, SF	

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
0.00	0.00	0.00	0.00	0.00	0.00	-173.28	-3,094.44	-364.75	3,116.13					
29.48	29.48	0.00	0.00	0.01	0.00	24.52	-3,094.44	-364.75	3,115.85					
60.08	60.08	40.75	40.74	0.12	0.07	-24.16	-3,094.15	-365.15	3,115.50	3,115.32	0.18	N/A		
90.68	90.68	59.50	59.49	0.23	0.12	-30.83	-3,094.03	-365.42	3,115.09	3,114.74	0.35	8,920.586		
121.28	121.28	87.07	87.06	0.34	0.22	-29.84	-3,093.91	-365.81	3,114.80	3,114.24	0.56	5,594.955		
151.88	151.88	110.92	110.91	0.45	0.30	-4.46	-3,093.84	-366.15	3,114.56	3,113.81	0.75	4,145.265		
182.48	182.47	156.38	156.37	0.56	0.47	-39.52	-3,093.69	-366.86	3,114.28	3,113.26	1.02	3,039.815		
213.08	213.07	170.33	170.31	0.67	0.52	-40.83	-3,093.65	-367.16	3,113.90	3,112.72	1.18	2,630.469		
243.68	243.67	225.99	225.95	0.78	0.72	-39.76	-3,093.20	-368.65	3,113.36	3,111.86	1.49	2,082.814		
286.38	286.36	247.45	247.40	0.93	0.80	-54.36	-3,093.06	-369.27	3,112.68	3,110.96	1.72	1,805.190		
329.08	329.05	296.14	296.07	1.08	0.97	-61.46	-3,092.84	-370.58	3,112.11	3,110.05	2.05	1,516.183		
371.78	371.73	341.17	341.09	1.24	1.13	-66.96	-3,092.59	-371.31	3,111.42	3,109.05	2.37	1,314.442		
414.48	414.41	381.06	380.98	1.39	1.28	-79.33	-3,092.43	-371.70	3,110.89	3,108.23	2.66	1,168.436		
457.18	457.07	423.26	423.18	1.54	1.43	-90.82	-3,092.29	-372.10	3,110.67	3,107.70	2.97	1,048.817		
499.88	499.73	491.62	491.53	1.70	1.67	-91.78	-3,091.86	-372.73	3,110.52	3,107.16	3.36	924.927		
542.58	542.37	530.84	530.75	1.85	1.81	-91.25	-3,091.46	-372.93	3,110.17	3,106.52	3.66	850.893		
585.28	584.99	569.72	569.63	2.00	1.95	-93.46	-3,091.09	-373.13	3,109.90	3,105.95	3.95	787.792		
627.98	627.61	665.42	665.31	2.16	2.28	-91.68	-3,089.48	-372.78	3,109.27	3,104.83	4.44	700.966		
670.68	670.24	702.01	701.88	2.31	2.40	-84.68	-3,088.72	-371.89	3,108.19	3,103.48	4.72	659.183		
713.38	712.89	760.63	760.46	2.47	2.60	-83.94	-3,087.41	-370.17	3,106.92	3,101.85	5.07	612.812		
756.08	755.57	811.45	811.24	2.62	2.78	-89.28	-3,086.00	-368.66	3,105.49	3,100.09	5.40	575.236		
798.78	798.26	861.03	860.78	2.78	2.95	-95.39	-3,084.59	-367.23	3,104.17	3,098.45	5.72	542.393		
841.48	840.95	909.31	909.02	2.93	3.12	-123.54	-3,083.06	-365.90	3,102.83	3,096.79	6.04	513.529		
884.18	883.65	942.14	941.81	3.08	3.23	-113.17	-3,082.05	-364.93	3,101.54	3,095.23	6.31	491.734		
926.88	926.35	983.69	983.33	3.23	3.38	-105.80	-3,080.89	-363.69	3,100.28	3,093.68	6.60	469.459		
969.58	969.05	1,019.36	1,018.97	3.38	3.51	-66.01	-3,079.87	-362.74	3,098.93	3,092.05	6.88	450.347		
1,012.28	1,011.75	1,048.41	1,048.00	3.53	3.61	-123.25	-3,079.16	-362.02	3,097.82	3,090.69	7.13	434.175		
1,054.98	1,054.45	1,075.57	1,075.15	3.68	3.70	-97.55	-3,078.61	-361.43	3,097.00	3,089.61	7.38	419.521		
1,097.68	1,097.15	1,108.43	1,108.01	3.84	3.82	-44.68	-3,078.08	-360.81	3,096.11	3,088.46	7.65	404.727		
1,140.38	1,139.85	1,151.42	1,150.98	3.99	3.97	-86.62	-3,077.48	-359.92	3,095.28	3,087.33	7.95	389.208		
1,183.08	1,182.55	1,194.43	1,193.97	4.14	4.12	-91.19	-3,076.86	-358.73	3,094.53	3,086.28	8.26	374.813		
1,225.78	1,225.24	1,230.70	1,230.22	4.29	4.25	-83.91	-3,076.38	-357.72	3,093.83	3,085.30	8.54	362.426		
1,268.48	1,267.94	1,270.15	1,269.66	4.44	4.39	145.22	-3,075.93	-356.87	3,093.39	3,084.57	8.82	350.651		
1,311.18	1,310.64	1,321.33	1,320.81	4.58	4.57	160.76	-3,075.30	-355.45	3,093.16	3,084.01	9.14	338.275		
1,353.88	1,353.34	1,359.78	1,359.25	4.72	4.71	148.76	-3,074.75	-354.53	3,092.93	3,083.51	9.42	328.249		
1,368.72	1,368.18	1,370.65	1,370.12	4.77	4.74	156.42	-3,074.62	-354.30	3,092.91	3,083.39	9.51	325.196		
1,396.58	1,396.03	1,391.91	1,391.37	4.87	4.82	166.39	-3,074.39	-353.87	3,093.00	3,083.32	9.68	319.534		
1,439.28	1,438.72	1,426.52	1,425.97	5.01	4.94	143.85	-3,074.11	-353.16	3,093.27	3,083.32	9.95	311.015		
1,481.98	1,481.42	1,466.33	1,465.77	5.15	5.08	158.50	-3,073.86	-352.23	3,093.49	3,083.26	10.23	302.396		
1,524.68	1,524.11	1,508.47	1,507.91	5.30	5.23	148.47	-3,073.62	-351.29	3,093.70	3,083.18	10.52	293.987		
1,567.38	1,566.81	1,550.81	1,550.23	5.44	5.38	164.33	-3,073.38	-350.36	3,093.92	3,083.10	10.82	285.995		
1,610.08	1,609.51	1,612.74	1,612.14	5.59	5.60	142.02	-3,072.74	-348.87	3,093.84	3,082.65	11.18	276.651		
1,652.78	1,652.20	1,645.98	1,645.37	5.73	5.72	110.65	-3,072.41	-348.18	3,093.63	3,082.19	11.45	270.289		
1,695.48	1,694.90	1,710.52	1,709.90	5.88	5.95	116.26	-3,071.68	-347.00	3,093.30	3,081.48	11.82	261.725		
1,738.18	1,737.60	1,789.06	1,788.40	6.02	6.23	115.13	-3,069.84	-345.43	3,092.33	3,080.09	12.24	252.588		
1,780.88	1,780.30	1,827.68	1,827.00	6.17	6.37	88.23	-3,068.76	-344.84	3,091.14	3,078.61	12.53	246.785		
1,823.58	1,823.00	1,868.23	1,867.53	6.31	6.51	93.02	-3,067.73	-344.07	3,089.98	3,077.16	12.82	241.113		
1,866.28	1,865.69	1,913.01	1,912.29	6.46	6.67	93.77	-3,066.50	-343.31	3,088.76	3,075.64	13.12	235.412		
1,908.98	1,908.39	1,947.88	1,947.14	6.60	6.80	102.92	-3,065.60	-342.95	3,087.70	3,074.31	13.39	230.576		
1,951.68	1,951.09	1,989.17	1,988.41	6.75	6.95	95.81	-3,064.57	-342.70	3,086.70	3,073.02	13.68	225.562		
1,994.38	1,993.78	2,031.98	2,031.21	6.89	7.10	101.11	-3,063.46	-342.61	3,085.68	3,071.70	13.98	220.672		
2,037.08	2,036.48	2,065.14	2,064.36	7.04	7.22	97.22	-3,062.68	-342.69	3,084.79	3,070.54	14.25	216.509		

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



# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	2,079.17	2,122.91	2,122.11	7.19	7.42	80.61	-3,061.23	-342.84	3,083.73	3,069.13	14.60	211.231		
2,122.48	2,121.87	2,168.80	2,167.99	7.33	7.59	103.10	-3,059.94	-342.87	3,082.57	3,067.66	14.91	206.760		
2,177.48	2,176.86	2,251.89	2,251.03	7.43	7.88	103.14	-3,057.33	-343.17	3,081.13	3,065.83	15.30	201.423		
2,200.00	2,199.38	2,308.85	2,307.92	7.43	8.08	105.58	-3,054.75	-344.32	3,080.23	3,064.73	15.50	198.782		
2,300.00	2,299.37	2,503.54	2,494.77	7.45	8.77	-80.96	-3,041.27	-353.96	3,073.26	3,057.07	16.18	189.922		
2,400.00	2,399.27	2,603.95	2,593.78	7.48	9.14	-80.17	-3,032.86	-360.57	3,064.83	3,048.25	16.58	184.904		
2,500.00	2,498.95	2,704.37	2,692.79	7.54	9.50	-80.11	-3,024.44	-367.18	3,055.77	3,038.77	16.99	179.836		
2,599.85	2,598.15	2,794.93	2,791.52	7.62	9.84	-80.25	-3,016.05	-373.77	3,046.10	3,028.70	17.40	175.083		
2,700.00	2,697.44	2,905.56	2,890.45	7.72	10.25	-80.35	-3,007.64	-380.38	3,036.10	3,018.20	17.90	169.597		
2,800.00	2,796.58	2,993.79	2,989.23	7.85	10.58	-80.46	-2,999.25	-386.98	3,026.14	3,007.79	18.35	164.942		
2,900.00	2,895.72	3,106.85	3,088.00	7.99	11.00	-80.56	-2,990.85	-393.57	3,016.18	2,997.27	18.90	159.558		
3,000.00	2,994.86	3,207.50	3,186.78	8.16	11.38	-80.67	-2,982.46	-400.17	3,006.22	2,986.79	19.43	154.681		
3,100.00	3,094.00	3,308.15	3,285.56	8.34	11.76	-80.77	-2,974.06	-406.77	2,996.28	2,976.30	19.99	149.922		
3,200.00	3,193.14	3,408.80	3,384.34	8.54	12.14	-80.88	-2,965.66	-413.36	2,986.35	2,965.80	20.55	145.293		
3,300.00	3,292.28	3,509.44	3,483.11	8.76	12.52	-80.98	-2,957.27	-419.96	2,976.43	2,955.30	21.14	140.803		
3,400.00	3,391.42	3,589.91	3,581.89	8.99	12.83	-81.09	-2,948.87	-426.55	2,966.53	2,944.86	21.66	136.930		
3,500.00	3,490.56	3,689.26	3,680.67	9.23	13.21	-81.20	-2,940.48	-433.15	2,956.63	2,934.35	22.27	132.739		
3,600.00	3,589.70	3,788.62	3,779.45	9.49	13.59	-81.31	-2,932.08	-439.75	2,946.74	2,923.84	22.90	128.697		
3,700.00	3,688.84	3,887.97	3,878.23	9.76	13.97	-81.42	-2,923.68	-446.34	2,936.86	2,913.33	23.53	124.807		
3,800.00	3,787.98	3,987.32	3,977.00	10.04	14.35	-81.53	-2,915.29	-452.94	2,926.99	2,902.82	24.18	121.065		
3,900.00	3,887.12	4,086.68	4,075.78	10.33	14.74	-81.64	-2,906.89	-459.53	2,917.14	2,892.30	24.83	117.470		
4,000.00	3,986.26	4,186.03	4,174.56	10.62	15.12	-81.75	-2,898.50	-466.13	2,907.29	2,881.79	25.50	114.019		
4,100.00	4,085.40	4,285.38	4,273.34	10.93	15.51	-81.86	-2,890.10	-472.73	2,897.46	2,871.28	26.17	110.707		
4,200.00	4,184.54	4,384.74	4,372.12	11.24	15.89	-81.97	-2,881.71	-479.32	2,887.63	2,860.78	26.85	107.530		
4,300.00	4,283.68	4,484.09	4,470.89	11.56	16.28	-82.09	-2,873.31	-485.92	2,877.82	2,850.28	27.54	104.484		
4,400.00	4,382.82	4,583.44	4,569.67	11.89	16.66	-82.20	-2,864.91	-492.51	2,868.02	2,839.78	28.24	101.562		
4,500.00	4,481.97	4,682.80	4,668.45	12.22	17.05	-82.32	-2,856.52	-499.11	2,858.23	2,829.29	28.94	98.760		
4,600.00	4,581.11	4,782.15	4,767.23	12.56	17.43	-82.44	-2,848.12	-505.71	2,848.45	2,818.80	29.65	96.073		
4,700.00	4,680.25	4,881.50	4,866.00	12.90	17.82	-82.55	-2,839.73	-512.30	2,838.69	2,808.33	30.36	93.496		
4,800.00	4,779.39	4,980.86	4,964.78	13.25	18.21	-82.67	-2,831.33	-518.90	2,828.93	2,797.85	31.08	91.023		
4,900.00	4,878.53	5,080.21	5,063.56	13.60	18.60	-82.79	-2,822.93	-525.50	2,819.19	2,787.39	31.80	88.649		
5,000.00	4,977.67	5,179.56	5,162.34	13.96	18.98	-82.91	-2,814.54	-532.09	2,809.46	2,776.93	32.53	86.371		
5,100.00	5,076.81	5,278.92	5,261.12	14.32	19.37	-83.03	-2,806.14	-538.69	2,799.74	2,766.49	33.26	84.182		
5,200.00	5,175.95	5,378.27	5,359.89	14.68	19.76	-83.15	-2,797.75	-545.28	2,790.04	2,756.05	33.99	82.080		
5,300.00	5,275.09	5,477.62	5,458.67	15.05	20.15	-83.27	-2,789.35	-551.88	2,780.35	2,745.62	34.73	80.059		
5,400.00	5,374.23	5,576.98	5,557.45	15.42	20.54	-83.40	-2,780.96	-558.48	2,770.67	2,735.20	35.47	78.116		
5,500.00	5,473.37	5,676.33	5,656.23	15.79	20.93	-83.52	-2,772.56	-565.07	2,761.00	2,724.79	36.21	76.246		
5,600.00	5,572.51	5,775.68	5,755.01	16.16	21.32	-83.64	-2,764.16	-571.67	2,751.34	2,714.39	36.96	74.447		
5,700.00	5,671.65	5,875.04	5,853.78	16.54	21.71	-83.77	-2,755.77	-578.26	2,741.70	2,704.00	37.70	72.715		
5,800.00	5,770.79	5,974.39	5,952.56	16.92	22.10	-83.90	-2,747.37	-584.86	2,732.07	2,693.62	38.46	71.046		
5,900.00	5,869.93	6,073.74	6,051.34	17.30	22.49	-84.02	-2,738.98	-591.46	2,722.46	2,683.25	39.21	69.437		
6,000.00	5,969.07	6,173.10	6,150.12	17.68	22.88	-84.15	-2,730.58	-598.05	2,712.86	2,672.90	39.96	67.886		
6,100.00	6,068.21	6,272.45	6,248.89	18.07	23.27	-84.28	-2,722.18	-604.65	2,703.27	2,662.55	40.72	66.390		
6,200.00	6,167.35	6,371.80	6,347.67	18.45	23.66	-84.41	-2,713.79	-611.25	2,693.69	2,652.22	41.48	64.946		
6,300.00	6,266.49	6,471.15	6,446.45	18.84	24.05	-84.54	-2,705.39	-617.84	2,684.13	2,641.90	42.24	63.552		
6,400.00	6,365.63	6,570.51	6,545.23	19.23	24.45	-84.67	-2,697.00	-624.44	2,674.59	2,631.59	43.00	62.205		
6,500.00	6,464.77	6,669.86	6,644.01	19.62	24.84	-84.81	-2,688.60	-631.03	2,665.06	2,621.30	43.76	60.903		
6,600.00	6,563.91	6,769.21	6,742.78	20.01	25.23	-84.94	-2,680.21	-637.63	2,655.54	2,611.02	44.52	59.645		
6,700.00	6,663.05	6,868.57	6,841.56	20.40	25.62	-85.07	-2,671.81	-644.23	2,646.04	2,600.75	45.29	58.427		
6,800.00	6,762.19	6,967.92	6,940.34	20.80	26.01	-85.21	-2,663.41	-650.82	2,636.55	2,590.49	46.05	57.249		
6,900.00	6,861.33	7,067.27	7,039.12	21.19	26.40	-85.35	-2,655.02	-657.42	2,627.07	2,580.25	46.82	56.109		
7,000.00	6,960.47	7,166.63	7,137.90	21.59	26.80	-85.48	-2,646.62	-664.01	2,617.61	2,570.02	47.59	55.004		

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

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
7,100.00	7,059.61	7,265.98	7,236.67	21.99	27.19	-85.62	-2,638.23	-670.61	2,608.17	2,559.81	48.36	53.934		
7,200.00	7,158.75	7,365.33	7,335.45	22.38	27.58	-85.76	-2,629.83	-677.21	2,598.74	2,549.61	49.13	52.896		
7,300.00	7,257.89	7,463.80	7,433.33	22.78	27.97	-85.90	-2,621.51	-683.98	2,589.33	2,539.43	49.90	51.891		
7,400.00	7,357.03	7,557.91	7,525.53	23.18	28.37	-85.80	-2,613.68	-700.56	2,580.06	2,529.37	50.69	50.898		
7,495.63	7,451.84	7,644.42	7,606.86	23.57	28.78	-85.40	-2,606.78	-728.97	2,571.48	2,519.99	51.49	49.945		
7,500.00	7,456.17	7,648.24	7,610.35	23.58	28.80	-85.65	-2,606.48	-730.50	2,571.10	2,519.58	51.52	49.902		
7,550.00	7,505.33	7,691.46	7,649.03	23.81	29.02	-87.31	-2,603.20	-749.48	2,566.80	2,514.83	51.97	49.387		
7,600.00	7,553.51	7,733.97	7,685.57	24.06	29.25	-88.14	-2,600.11	-770.95	2,562.65	2,510.18	52.47	48.839		
7,650.00	7,600.34	7,775.84	7,719.92	24.36	29.48	-88.68	-2,597.20	-794.70	2,558.67	2,505.65	53.02	48.262		
7,700.00	7,645.48	7,817.14	7,752.02	24.70	29.72	-89.08	-2,594.48	-820.53	2,554.87	2,501.26	53.61	47.657		
7,750.00	7,688.57	7,857.93	7,781.82	25.07	29.98	-89.40	-2,591.96	-848.25	2,551.29	2,497.03	54.26	47.023		
7,800.00	7,729.30	7,898.28	7,809.30	25.49	30.25	-89.67	-2,589.64	-877.70	2,547.93	2,492.98	54.96	46.362		
7,850.00	7,767.34	7,938.24	7,834.41	25.94	30.54	-89.91	-2,587.52	-908.70	2,544.83	2,489.11	55.72	45.670		
7,900.00	7,802.41	7,977.85	7,857.11	26.45	30.84	-90.11	-2,585.61	-941.10	2,541.99	2,485.44	56.55	44.951		
7,950.00	7,834.25	8,017.18	7,877.39	27.00	31.17	-90.28	-2,583.90	-974.74	2,539.42	2,481.98	57.44	44.208		
8,000.00	7,862.60	8,056.25	7,895.22	27.59	31.52	-90.44	-2,582.40	-1,009.47	2,537.15	2,478.75	58.40	43.442		
8,050.00	7,887.26	8,095.12	7,910.58	28.24	31.89	-90.57	-2,581.11	-1,045.14	2,535.18	2,475.74	59.44	42.654		
8,100.00	7,908.04	8,133.81	7,923.43	28.94	32.28	-90.68	-2,580.04	-1,081.62	2,533.53	2,472.99	60.54	41.848		
8,150.00	7,924.78	8,172.38	7,933.78	29.68	32.70	-90.77	-2,579.18	-1,118.75	2,532.19	2,470.48	61.71	41.034		
8,200.00	7,937.35	8,210.84	7,941.59	30.46	33.14	-90.84	-2,578.53	-1,156.40	2,531.19	2,468.25	62.94	40.218		
8,250.00	7,945.65	8,250.00	7,946.95	31.28	33.60	-90.89	-2,578.10	-1,195.18	2,530.52	2,466.30	64.23	39.400		
8,300.00	7,949.63	8,287.62	7,949.59	32.12	34.07	-90.92	-2,577.89	-1,232.70	2,530.20	2,464.65	65.54	38.604		
8,320.64	7,950.00	8,303.46	7,949.97	32.47	34.27	-90.93	-2,577.87	-1,248.53	2,530.16	2,464.06	66.10	38.280		
8,322.19	7,950.00	8,315.35	7,950.00	32.50	34.42	-90.93	-2,577.87	-1,248.31	2,530.16	2,463.87	66.28	38.172 CC		
8,400.00	7,950.00	8,381.05	7,950.00	33.88	35.31	-90.93	-2,577.91	-1,326.12	2,530.19	2,461.61	68.58	36.894		
8,500.00	7,950.00	8,481.05	7,950.00	35.75	36.78	-90.93	-2,577.96	-1,426.12	2,530.22	2,458.26	71.97	35.158		
8,600.00	7,950.00	8,581.05	7,950.00	37.73	38.38	-90.93	-2,578.01	-1,526.12	2,530.26	2,454.68	75.58	33.478		
8,700.00	7,950.00	8,681.05	7,950.00	39.79	40.10	-90.93	-2,578.06	-1,626.12	2,530.30	2,450.90	79.39	31.870		
8,800.00	7,950.00	8,781.05	7,950.00	41.92	41.92	-90.93	-2,578.11	-1,726.12	2,530.33	2,446.95	83.38	30.347		
8,900.00	7,950.00	8,881.05	7,950.00	44.11	43.84	-90.93	-2,578.16	-1,826.12	2,530.37	2,442.85	87.51	28.914		
9,000.00	7,950.00	8,981.05	7,950.00	46.36	45.83	-90.93	-2,578.21	-1,926.12	2,530.41	2,438.63	91.78	27.571		
9,100.00	7,950.00	9,081.05	7,950.00	48.65	47.89	-90.93	-2,578.26	-2,026.12	2,530.44	2,434.29	96.15	26.317		
9,200.00	7,950.00	9,181.05	7,950.00	50.98	50.01	-90.93	-2,578.31	-2,126.12	2,530.48	2,429.85	100.63	25.147		
9,300.00	7,950.00	9,281.05	7,950.00	53.34	52.19	-90.93	-2,578.36	-2,226.12	2,530.52	2,425.33	105.18	24.058		
9,400.00	7,950.00	9,381.05	7,950.00	55.74	54.41	-90.93	-2,578.41	-2,326.12	2,530.55	2,420.73	109.82	23.043		
9,500.00	7,950.00	9,481.05	7,950.00	58.16	56.67	-90.93	-2,578.47	-2,426.12	2,530.59	2,416.07	114.52	22.098		
9,600.00	7,950.00	9,581.05	7,950.00	60.60	58.97	-90.93	-2,578.52	-2,526.12	2,530.62	2,411.35	119.27	21.217		
9,700.00	7,950.00	9,681.05	7,950.00	63.06	61.30	-90.93	-2,578.57	-2,626.12	2,530.66	2,406.58	124.08	20.396		
9,800.00	7,950.00	9,781.05	7,950.00	65.54	63.66	-90.93	-2,578.62	-2,726.12	2,530.70	2,401.77	128.93	19.628		
9,900.00	7,950.00	9,881.05	7,950.00	68.04	66.04	-90.93	-2,578.67	-2,826.12	2,530.73	2,396.91	133.83	18.911		
10,000.00	7,950.00	9,981.05	7,950.00	70.55	68.45	-90.93	-2,578.72	-2,926.12	2,530.77	2,392.02	138.75	18.239		
10,100.00	7,950.00	10,081.05	7,950.00	73.08	70.88	-90.93	-2,578.77	-3,026.12	2,530.81	2,387.09	143.72	17.610		
10,200.00	7,950.00	10,181.05	7,950.00	75.61	73.33	-90.93	-2,578.82	-3,126.12	2,530.84	2,382.14	148.71	17.019		
10,300.00	7,950.00	10,281.05	7,950.00	78.16	75.79	-90.93	-2,578.87	-3,226.12	2,530.88	2,377.15	153.73	16.464		
10,400.00	7,950.00	10,381.05	7,950.00	80.71	78.27	-90.93	-2,578.92	-3,326.12	2,530.92	2,372.15	158.77	15.941		
10,500.00	7,950.00	10,481.05	7,950.00	83.28	80.76	-90.93	-2,578.98	-3,426.12	2,530.95	2,367.12	163.83	15.449		
10,600.00	7,950.00	10,581.05	7,950.00	85.85	83.27	-90.93	-2,579.03	-3,526.12	2,530.99	2,362.08	168.91	14.984		
10,700.00	7,950.00	10,681.05	7,950.00	88.43	85.78	-90.93	-2,579.08	-3,626.12	2,531.03	2,357.01	174.01	14.545		
10,800.00	7,950.00	10,781.05	7,950.00	91.01	88.31	-90.93	-2,579.13	-3,726.12	2,531.06	2,351.93	179.13	14.130		
10,900.00	7,950.00	10,881.05	7,950.00	93.60	90.84	-90.93	-2,579.18	-3,826.12	2,531.10	2,346.83	184.26	13.736		
11,000.00	7,950.00	10,981.05	7,950.00	96.20	93.39	-90.93	-2,579.23	-3,926.12	2,531.14	2,341.72	189.41	13.363		
11,100.00	7,950.00	11,081.05	7,950.00	98.80	95.94	-90.93	-2,579.28	-4,026.12	2,531.17	2,336.60	194.57	13.009		

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

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
11,200.00	7,950.00	11,181.05	7,950.00	101.41	98.50	-90.93	-2,579.33	-4,126.12	2,531.21	2,331.47	199.74	12.672		
11,300.00	7,950.00	11,281.05	7,950.00	104.02	101.07	-90.93	-2,579.38	-4,226.12	2,531.25	2,326.32	204.92	12.352		
11,400.00	7,950.00	11,381.05	7,950.00	106.63	103.64	-90.93	-2,579.43	-4,326.12	2,531.28	2,321.17	210.11	12.047		
11,500.00	7,950.00	11,481.05	7,950.00	109.25	106.22	-90.93	-2,579.48	-4,426.12	2,531.32	2,316.00	215.32	11.756		
11,600.00	7,950.00	11,581.05	7,950.00	111.88	108.80	-90.93	-2,579.54	-4,526.12	2,531.36	2,310.83	220.53	11.479		
11,700.00	7,950.00	11,681.05	7,950.00	114.50	111.39	-90.93	-2,579.59	-4,626.12	2,531.39	2,305.65	225.74	11.214		
11,800.00	7,950.00	11,781.05	7,950.00	117.13	113.99	-90.93	-2,579.64	-4,726.12	2,531.43	2,300.46	230.97	10.960		
11,900.00	7,950.00	11,881.05	7,950.00	119.76	116.59	-90.93	-2,579.69	-4,826.12	2,531.46	2,295.26	236.20	10.717		
12,000.00	7,950.00	11,981.05	7,950.00	122.39	119.19	-90.93	-2,579.74	-4,926.12	2,531.50	2,290.06	241.44	10.485		
12,100.00	7,950.00	12,081.05	7,950.00	125.03	121.79	-90.93	-2,579.79	-5,026.12	2,531.54	2,284.85	246.69	10.262		
12,200.00	7,950.00	12,181.05	7,950.00	127.67	124.40	-90.93	-2,579.84	-5,126.12	2,531.57	2,279.64	251.94	10.048		
12,300.00	7,950.00	12,281.05	7,950.00	130.31	127.02	-90.93	-2,579.89	-5,226.12	2,531.61	2,274.42	257.19	9.843		
12,400.00	7,950.00	12,381.05	7,950.00	132.95	129.63	-90.93	-2,579.94	-5,326.12	2,531.65	2,269.19	262.46	9.646		
12,500.00	7,950.00	12,481.05	7,950.00	135.60	132.25	-90.93	-2,579.99	-5,426.12	2,531.68	2,263.96	267.72	9.456		
12,600.00	7,950.00	12,581.05	7,950.00	138.24	134.88	-90.93	-2,580.04	-5,526.12	2,531.72	2,258.73	272.99	9.274		
12,700.00	7,950.00	12,681.05	7,950.00	140.89	137.50	-90.93	-2,580.10	-5,626.12	2,531.76	2,253.49	278.27	9.098		
12,800.00	7,950.00	12,781.05	7,950.00	143.54	140.13	-90.93	-2,580.15	-5,726.12	2,531.79	2,248.25	283.55	8.929		
12,900.00	7,950.00	12,881.05	7,950.00	146.19	142.76	-90.93	-2,580.20	-5,826.12	2,531.83	2,243.00	288.83	8.766		
13,000.00	7,950.00	12,981.05	7,950.00	148.84	145.39	-90.93	-2,580.25	-5,926.12	2,531.87	2,237.75	294.12	8.608		
13,100.00	7,950.00	13,081.05	7,950.00	151.50	148.03	-90.93	-2,580.30	-6,026.12	2,531.90	2,232.50	299.41	8.456		
13,200.00	7,950.00	13,181.05	7,950.00	154.15	150.66	-90.93	-2,580.35	-6,126.12	2,531.94	2,227.24	304.70	8.310		
13,300.00	7,950.00	13,281.05	7,950.00	156.81	153.30	-90.93	-2,580.40	-6,226.12	2,531.98	2,221.98	310.00	8.168		
13,400.00	7,950.00	13,381.05	7,950.00	159.47	155.94	-90.93	-2,580.45	-6,326.12	2,532.01	2,216.72	315.29	8.031		
13,500.00	7,950.00	13,481.05	7,950.00	162.13	158.58	-90.93	-2,580.50	-6,426.12	2,532.05	2,211.45	320.60	7.898		
13,600.00	7,950.00	13,581.05	7,950.00	164.79	161.22	-90.93	-2,580.55	-6,526.12	2,532.09	2,206.18	325.90	7.769		
13,700.00	7,950.00	13,681.05	7,950.00	167.45	163.87	-90.93	-2,580.61	-6,626.12	2,532.12	2,200.91	331.21	7.645		
13,800.00	7,950.00	13,781.05	7,950.00	170.11	166.52	-90.93	-2,580.66	-6,726.12	2,532.16	2,195.64	336.52	7.525		
13,900.00	7,950.00	13,881.05	7,950.00	172.77	169.16	-90.93	-2,580.71	-6,826.12	2,532.19	2,190.37	341.83	7.408		
14,000.00	7,950.00	13,981.05	7,950.00	175.44	171.81	-90.93	-2,580.76	-6,926.12	2,532.23	2,185.09	347.14	7.294		
14,100.00	7,950.00	14,081.05	7,950.00	178.10	174.46	-90.93	-2,580.81	-7,026.12	2,532.27	2,179.81	352.46	7.185		
14,200.00	7,950.00	14,181.05	7,950.00	180.77	177.11	-90.93	-2,580.86	-7,126.12	2,532.30	2,174.53	357.78	7.078		
14,300.00	7,950.00	14,281.05	7,950.00	183.43	179.77	-90.93	-2,580.91	-7,226.12	2,532.34	2,169.24	363.10	6.974		
14,400.00	7,950.00	14,381.05	7,950.00	186.10	182.42	-90.93	-2,580.96	-7,326.12	2,532.38	2,163.96	368.42	6.874		
14,500.00	7,950.00	14,481.05	7,950.00	188.77	185.08	-90.93	-2,581.01	-7,426.12	2,532.41	2,158.67	373.74	6.776		
14,600.00	7,950.00	14,581.05	7,950.00	191.43	187.73	-90.93	-2,581.06	-7,526.12	2,532.45	2,153.38	379.07	6.681		
14,700.00	7,950.00	14,681.05	7,950.00	194.10	190.39	-90.93	-2,581.11	-7,626.12	2,532.49	2,148.09	384.39	6.588		
14,800.00	7,950.00	14,781.05	7,950.00	196.77	193.05	-90.93	-2,581.17	-7,726.12	2,532.52	2,142.80	389.72	6.498		
14,900.00	7,950.00	14,881.05	7,950.00	199.44	195.71	-90.93	-2,581.22	-7,826.12	2,532.56	2,137.51	395.05	6.411		
15,000.00	7,950.00	14,981.05	7,950.00	202.11	198.37	-90.93	-2,581.27	-7,926.12	2,532.60	2,132.22	400.38	6.325		
15,100.00	7,950.00	15,081.05	7,950.00	204.78	201.03	-90.93	-2,581.32	-8,026.12	2,532.63	2,126.92	405.71	6.242		
15,200.00	7,950.00	15,181.05	7,950.00	207.45	203.69	-90.93	-2,581.37	-8,126.12	2,532.67	2,121.62	411.05	6.162		
15,300.00	7,950.00	15,281.05	7,950.00	210.13	206.35	-90.93	-2,581.42	-8,226.12	2,532.71	2,116.33	416.38	6.083		
15,400.00	7,950.00	15,381.05	7,950.00	212.80	209.01	-90.93	-2,581.47	-8,326.12	2,532.74	2,111.03	421.72	6.006		
15,500.00	7,950.00	15,481.05	7,950.00	215.47	211.68	-90.93	-2,581.52	-8,426.12	2,532.78	2,105.73	427.05	5.931		
15,600.00	7,950.00	15,581.05	7,950.00	218.15	214.34	-90.93	-2,581.57	-8,526.12	2,532.82	2,100.42	432.39	5.858		
15,700.00	7,950.00	15,681.05	7,950.00	220.82	217.00	-90.93	-2,581.62	-8,626.12	2,532.85	2,095.12	437.73	5.786		
15,800.00	7,950.00	15,781.05	7,950.00	223.49	219.67	-90.93	-2,581.67	-8,726.12	2,532.89	2,089.82	443.07	5.717		
15,900.00	7,950.00	15,881.05	7,950.00	226.17	222.34	-90.93	-2,581.73	-8,826.12	2,532.93	2,084.51	448.41	5.649		
16,000.00	7,950.00	15,981.05	7,950.00	228.84	225.00	-90.93	-2,581.78	-8,926.12	2,532.96	2,079.21	453.75	5.582		
16,100.00	7,950.00	16,081.05	7,950.00	231.52	227.67	-90.93	-2,581.83	-9,026.12	2,533.00	2,073.90	459.10	5.517		
16,200.00	7,950.00	16,181.05	7,950.00	234.20	230.34	-90.93	-2,581.88	-9,126.12	2,533.03	2,068.59	464.44	5.454		
16,300.00	7,950.00	16,281.05	7,950.00	236.87	233.01	-90.93	-2,581.93	-9,226.12	2,533.07	2,063.28	469.79	5.392		

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

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
16,400.00	7,950.00	16,381.05	7,950.00	239.55	235.67	-90.93	-2,581.98	-9,326.12	2,533.11	2,057.98	475.13	5.331		
16,500.00	7,950.00	16,481.05	7,950.00	242.22	238.34	-90.93	-2,582.03	-9,426.12	2,533.14	2,052.67	480.48	5.272		
16,600.00	7,950.00	16,581.05	7,950.00	244.90	241.01	-90.93	-2,582.08	-9,526.12	2,533.18	2,047.35	485.83	5.214		
16,700.00	7,950.00	16,681.05	7,950.00	247.58	243.68	-90.93	-2,582.13	-9,626.12	2,533.22	2,042.04	491.17	5.157		
16,800.00	7,950.00	16,781.05	7,950.00	250.26	246.36	-90.93	-2,582.18	-9,726.12	2,533.25	2,036.73	496.52	5.102		
16,900.00	7,950.00	16,881.05	7,950.00	252.94	249.03	-90.93	-2,582.24	-9,826.12	2,533.29	2,031.42	501.87	5.048		
17,000.00	7,950.00	16,981.05	7,950.00	255.61	251.70	-90.93	-2,582.29	-9,926.12	2,533.33	2,026.10	507.22	4.995		
17,100.00	7,950.00	17,081.05	7,950.00	258.29	254.37	-90.93	-2,582.34	-10,026.12	2,533.36	2,020.79	512.57	4.942		
17,200.00	7,950.00	17,181.05	7,950.00	260.97	257.04	-90.93	-2,582.39	-10,126.12	2,533.40	2,015.47	517.92	4.891		
17,300.00	7,950.00	17,281.05	7,950.00	263.65	259.71	-90.93	-2,582.44	-10,226.12	2,533.44	2,010.16	523.28	4.841		
17,400.00	7,950.00	17,381.05	7,950.00	266.33	262.39	-90.93	-2,582.49	-10,326.12	2,533.47	2,004.84	528.63	4.793		
17,500.00	7,950.00	17,481.05	7,950.00	269.01	265.06	-90.93	-2,582.54	-10,426.12	2,533.51	1,999.53	533.98	4.745		
17,600.00	7,950.00	17,581.05	7,950.00	271.69	267.74	-90.93	-2,582.59	-10,526.12	2,533.55	1,994.21	539.34	4.698		
17,700.00	7,950.00	17,681.05	7,950.00	274.37	270.41	-90.93	-2,582.64	-10,626.12	2,533.58	1,988.89	544.69	4.651		
17,800.00	7,950.00	17,781.05	7,950.00	277.05	273.08	-90.93	-2,582.69	-10,726.12	2,533.62	1,983.57	550.05	4.606		
17,900.00	7,950.00	17,881.05	7,950.00	279.73	275.76	-90.93	-2,582.74	-10,826.12	2,533.66	1,978.25	555.40	4.562		
18,000.00	7,950.00	17,981.05	7,950.00	282.41	278.43	-90.93	-2,582.80	-10,926.12	2,533.69	1,972.93	560.76	4.518		
18,100.00	7,950.00	18,081.05	7,950.00	285.09	281.11	-90.93	-2,582.85	-11,026.12	2,533.73	1,967.61	566.11	4.476		
18,200.00	7,950.00	18,181.05	7,950.00	287.77	283.79	-90.93	-2,582.90	-11,126.12	2,533.76	1,962.29	571.47	4.434		
18,300.00	7,950.00	18,281.05	7,950.00	290.45	286.46	-90.93	-2,582.95	-11,226.12	2,533.80	1,956.97	576.83	4.393		
18,400.00	7,950.00	18,381.05	7,950.00	293.14	289.14	-90.93	-2,583.00	-11,326.12	2,533.84	1,951.65	582.19	4.352		
18,500.00	7,950.00	18,481.05	7,950.00	295.82	291.81	-90.93	-2,583.05	-11,426.12	2,533.87	1,946.33	587.54	4.313		
18,600.00	7,950.00	18,581.05	7,950.00	298.50	294.49	-90.93	-2,583.10	-11,526.12	2,533.91	1,941.01	592.90	4.274		
18,700.00	7,950.00	18,681.05	7,950.00	301.18	297.17	-90.93	-2,583.15	-11,626.12	2,533.95	1,935.69	598.26	4.236		
18,800.00	7,950.00	18,781.05	7,950.00	303.86	299.85	-90.93	-2,583.20	-11,726.12	2,533.98	1,930.36	603.62	4.198		
18,900.00	7,950.00	18,881.05	7,950.00	306.55	302.52	-90.93	-2,583.25	-11,826.12	2,534.02	1,925.04	608.98	4.161		
19,000.00	7,950.00	18,981.05	7,950.00	309.23	305.20	-90.93	-2,583.30	-11,926.12	2,534.06	1,919.72	614.34	4.125		
19,100.00	7,950.00	19,081.05	7,950.00	311.91	307.88	-90.93	-2,583.36	-12,026.12	2,534.09	1,914.39	619.70	4.089		
19,200.00	7,950.00	19,181.05	7,950.00	314.59	310.56	-90.93	-2,583.41	-12,126.12	2,534.13	1,909.07	625.06	4.054		
19,300.00	7,950.00	19,281.05	7,950.00	317.28	313.24	-90.93	-2,583.46	-12,226.12	2,534.17	1,903.74	630.42	4.020		
19,400.00	7,950.00	19,381.05	7,950.00	319.96	315.91	-90.93	-2,583.51	-12,326.12	2,534.20	1,898.42	635.79	3.986		
19,500.00	7,950.00	19,481.05	7,950.00	322.64	318.59	-90.93	-2,583.56	-12,426.12	2,534.24	1,893.09	641.15	3.953		
19,600.00	7,950.00	19,581.05	7,950.00	325.33	321.27	-90.93	-2,583.61	-12,526.12	2,534.28	1,887.77	646.51	3.920		
19,700.00	7,950.00	19,681.05	7,950.00	328.01	323.95	-90.93	-2,583.66	-12,626.12	2,534.31	1,882.44	651.87	3.888		
19,800.00	7,950.00	19,781.05	7,950.00	330.69	326.63	-90.93	-2,583.71	-12,726.12	2,534.35	1,877.11	657.24	3.856		
19,900.00	7,950.00	19,881.05	7,950.00	333.38	329.31	-90.93	-2,583.76	-12,826.12	2,534.39	1,871.79	662.60	3.825		
20,000.00	7,950.00	19,981.05	7,950.00	336.06	331.99	-90.93	-2,583.81	-12,926.12	2,534.42	1,866.46	667.96	3.794		
20,100.00	7,950.00	20,081.05	7,950.00	338.74	334.67	-90.93	-2,583.87	-13,026.12	2,534.46	1,861.13	673.33	3.764		
20,200.00	7,950.00	20,181.05	7,950.00	341.43	337.35	-90.93	-2,583.92	-13,126.12	2,534.49	1,855.80	678.69	3.734		
20,300.00	7,950.00	20,281.05	7,950.00	344.11	340.03	-90.93	-2,583.97	-13,226.12	2,534.53	1,850.48	684.06	3.705		
20,400.00	7,950.00	20,381.05	7,950.00	346.80	342.71	-90.93	-2,584.02	-13,326.12	2,534.57	1,845.15	689.42	3.676		
20,500.00	7,950.00	20,481.05	7,950.00	349.48	345.39	-90.93	-2,584.07	-13,426.12	2,534.60	1,839.82	694.79	3.648		
20,600.00	7,950.00	20,581.05	7,950.00	352.17	348.07	-90.93	-2,584.12	-13,526.12	2,534.64	1,834.49	700.15	3.620		
20,700.00	7,950.00	20,681.05	7,950.00	354.85	350.75	-90.93	-2,584.17	-13,626.12	2,534.68	1,829.16	705.52	3.593		
20,800.00	7,950.00	20,781.05	7,950.00	357.54	353.43	-90.93	-2,584.22	-13,726.12	2,534.71	1,823.83	710.88	3.566		
20,900.00	7,950.00	20,881.05	7,950.00	360.22	356.12	-90.93	-2,584.27	-13,826.12	2,534.75	1,818.50	716.25	3.539		
21,000.00	7,950.00	20,981.05	7,950.00	362.91	358.80	-90.93	-2,584.32	-13,926.12	2,534.79	1,813.17	721.61	3.513		
21,100.00	7,950.00	21,081.05	7,950.00	365.59	361.48	-90.93	-2,584.37	-14,026.12	2,534.82	1,807.84	726.98	3.487		
21,200.00	7,950.00	21,181.05	7,950.00	368.28	364.16	-90.93	-2,584.43	-14,126.12	2,534.86	1,802.51	732.35	3.461		
21,300.00	7,950.00	21,281.05	7,950.00	370.96	366.84	-90.93	-2,584.48	-14,226.12	2,534.90	1,797.18	737.71	3.436		
21,400.00	7,950.00	21,381.05	7,950.00	373.65	369.52	-90.93	-2,584.53	-14,326.12	2,534.93	1,791.85	743.08	3.411		
21,500.00	7,950.00	21,481.05	7,950.00	376.33	372.21	-90.93	-2,584.58	-14,426.12	2,534.97	1,786.52	748.45	3.387		

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

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	
21,600.00	7,950.00	21,581.05	7,950.00	379.02	374.89	-90.93	-2,584.63	-14,526.12	2,535.01	1,781.19	753.82	3.363	
21,700.00	7,950.00	21,681.05	7,950.00	381.70	377.57	-90.93	-2,584.68	-14,626.12	2,535.04	1,775.86	759.18	3.339	
21,800.00	7,950.00	21,781.05	7,950.00	384.39	380.25	-90.93	-2,584.73	-14,726.12	2,535.08	1,770.53	764.55	3.316	
21,900.00	7,950.00	21,881.05	7,950.00	387.07	382.94	-90.93	-2,584.78	-14,826.12	2,535.12	1,765.20	769.92	3.293	
22,000.00	7,950.00	21,981.05	7,950.00	389.76	385.62	-90.93	-2,584.83	-14,926.12	2,535.15	1,759.86	775.29	3.270	
22,100.00	7,950.00	22,081.05	7,950.00	392.44	388.30	-90.93	-2,584.88	-15,026.12	2,535.19	1,754.53	780.66	3.248	
22,200.00	7,950.00	22,181.05	7,950.00	395.13	390.98	-90.93	-2,584.93	-15,126.12	2,535.23	1,749.20	786.02	3.225	
22,300.00	7,950.00	22,281.05	7,950.00	397.82	393.67	-90.93	-2,584.99	-15,226.12	2,535.26	1,743.87	791.39	3.204	
22,400.00	7,950.00	22,381.05	7,950.00	400.50	396.35	-90.93	-2,585.04	-15,326.12	2,535.30	1,738.54	796.76	3.182	
22,500.00	7,950.00	22,481.05	7,950.00	403.19	399.03	-90.93	-2,585.09	-15,426.12	2,535.33	1,733.20	802.13	3.161	
22,600.00	7,950.00	22,581.05	7,950.00	405.88	401.72	-90.93	-2,585.14	-15,526.12	2,535.37	1,727.87	807.50	3.140	
22,700.00	7,950.00	22,681.05	7,950.00	408.56	404.40	-90.93	-2,585.19	-15,626.12	2,535.41	1,722.54	812.87	3.119	
22,800.00	7,950.00	22,781.05	7,950.00	411.25	407.08	-90.93	-2,585.24	-15,726.12	2,535.44	1,717.20	818.24	3.099	
22,900.00	7,950.00	22,881.05	7,950.00	413.93	409.77	-90.93	-2,585.29	-15,826.12	2,535.48	1,711.87	823.61	3.078	
23,000.00	7,950.00	22,981.05	7,950.00	416.62	412.45	-90.93	-2,585.34	-15,926.12	2,535.52	1,706.54	828.98	3.059	
23,100.00	7,950.00	23,081.05	7,950.00	419.31	415.14	-90.93	-2,585.39	-16,026.12	2,535.55	1,701.20	834.35	3.039	
23,200.00	7,950.00	23,181.05	7,950.00	421.99	417.82	-90.93	-2,585.44	-16,126.12	2,535.59	1,695.87	839.72	3.020	
23,306.83	7,950.00	23,287.88	7,950.00	424.86	420.69	-90.93	-2,585.50	-16,232.95	2,535.63	1,690.17	845.46	2.999 ES, SF	

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	-173.22	-3,069.30	-364.75	3,091.17					
29.48	29.48	0.00	0.00	0.01	0.00	24.58	-3,069.30	-364.75	3,090.89					
60.08	60.08	14.55	14.55	0.12	0.01	-24.11	-3,069.31	-364.76	3,090.71	3,090.58	0.12	N/A		
90.68	90.68	43.02	43.02	0.23	0.06	-30.78	-3,069.36	-364.85	3,090.52	3,090.23	0.29	N/A		
121.28	121.28	70.94	70.94	0.34	0.16	-29.80	-3,069.40	-364.95	3,090.36	3,089.87	0.50	6,222.134		
151.88	151.88	90.50	90.50	0.45	0.23	-4.42	-3,069.48	-365.05	3,090.30	3,089.63	0.68	4,570.416		
182.48	182.47	112.52	112.52	0.56	0.31	-39.49	-3,069.63	-365.20	3,090.29	3,089.43	0.86	3,574.589		
213.08	213.07	157.86	157.86	0.67	0.47	-40.80	-3,069.92	-365.68	3,090.20	3,089.06	1.14	2,719.264		
243.68	243.67	184.02	184.02	0.78	0.56	-39.75	-3,070.02	-365.98	3,089.99	3,088.65	1.34	2,306.515		
286.38	286.36	222.07	222.06	0.93	0.70	-54.35	-3,070.24	-366.38	3,089.77	3,088.15	1.63	1,897.102		
329.08	329.05	265.78	265.77	1.08	0.86	-61.46	-3,070.49	-366.98	3,089.56	3,087.62	1.94	1,594.146		
371.78	371.73	301.81	301.79	1.24	0.99	-66.95	-3,070.70	-367.64	3,089.37	3,087.15	2.22	1,391.541		
387.40	387.35	314.36	314.33	1.29	1.03	-71.77	-3,070.80	-367.91	3,089.34	3,087.02	2.32	1,331.027 CC		
414.48	414.41	333.12	333.09	1.39	1.10	-79.31	-3,070.97	-368.34	3,089.43	3,086.94	2.49	1,243.051		
457.18	457.07	359.16	359.12	1.54	1.19	-90.78	-3,071.27	-369.06	3,089.95	3,087.22	2.73	1,131.075		
499.88	499.73	389.58	389.52	1.70	1.30	-91.69	-3,071.76	-370.07	3,090.85	3,087.85	2.99	1,032.034		
542.58	542.37	422.94	422.84	1.85	1.43	-91.12	-3,072.42	-371.39	3,091.94	3,088.67	3.27	945.698		
585.28	584.99	458.93	458.78	2.00	1.56	-93.29	-3,073.17	-373.07	3,093.16	3,089.61	3.55	870.097		
627.98	627.61	492.94	492.74	2.16	1.68	-91.42	-3,073.95	-374.87	3,094.51	3,090.68	3.83	807.059		
670.68	670.24	530.46	530.19	2.31	1.82	-84.39	-3,074.87	-377.06	3,095.77	3,091.64	4.13	750.106		
713.38	712.89	570.43	570.07	2.47	1.97	-83.60	-3,075.89	-379.52	3,096.94	3,092.51	4.43	699.222		
756.08	755.57	619.00	618.52	2.62	2.15	-88.91	-3,077.09	-382.62	3,098.20	3,093.44	4.76	650.544		
798.78	798.26	655.70	655.13	2.78	2.29	-94.98	-3,077.98	-385.12	3,099.59	3,094.54	5.05	613.611		
841.48	840.95	700.07	699.39	2.93	2.45	-123.10	-3,079.09	-388.04	3,101.12	3,095.76	5.37	577.847		
884.18	883.65	740.23	739.46	3.08	2.60	-112.68	-3,080.13	-390.45	3,102.67	3,097.00	5.66	547.695		
926.88	926.35	766.70	765.86	3.23	2.70	-105.26	-3,080.88	-392.07	3,104.26	3,098.35	5.91	524.966		
969.58	969.05	795.63	794.72	3.38	2.81	-65.42	-3,081.86	-393.94	3,105.99	3,099.82	6.17	503.284		
1,012.28	1,011.75	877.86	876.77	3.53	3.12	-122.56	-3,084.52	-398.68	3,107.81	3,101.18	6.63	468.946		
1,054.98	1,054.45	920.46	919.32	3.68	3.28	-96.83	-3,085.60	-400.31	3,109.21	3,102.28	6.93	448.434		
1,097.68	1,097.15	953.45	952.28	3.84	3.40	-43.93	-3,086.51	-401.50	3,110.45	3,103.25	7.20	431.747		
1,140.38	1,139.85	997.04	995.82	3.99	3.56	-85.84	-3,087.78	-403.09	3,111.73	3,104.21	7.51	414.111		
1,183.08	1,182.55	1,073.61	1,072.34	4.14	3.84	-90.35	-3,089.59	-405.28	3,112.84	3,104.90	7.94	391.876		
1,225.78	1,225.24	1,115.92	1,114.63	4.29	3.99	-83.03	-3,090.40	-406.22	3,113.75	3,105.50	8.25	377.523		
1,268.48	1,267.94	1,151.89	1,150.58	4.44	4.12	146.10	-3,091.13	-407.12	3,114.89	3,106.37	8.52	365.440		
1,311.18	1,310.64	1,190.42	1,189.09	4.58	4.26	161.68	-3,092.00	-408.05	3,116.39	3,107.59	8.80	353.982		
1,353.88	1,353.34	1,233.47	1,232.12	4.72	4.41	149.70	-3,093.02	-408.89	3,117.99	3,108.89	9.10	342.636		
1,396.58	1,396.03	1,282.83	1,281.46	4.87	4.59	167.36	-3,094.18	-409.54	3,119.70	3,110.28	9.42	331.228		
1,439.28	1,438.72	1,322.37	1,320.99	5.01	4.73	144.83	-3,095.06	-410.00	3,121.42	3,111.71	9.70	321.726		
1,481.98	1,481.42	1,360.59	1,359.20	5.15	4.87	159.51	-3,095.99	-410.46	3,123.10	3,113.12	9.98	312.898		
1,524.68	1,524.11	1,418.67	1,417.25	5.30	5.08	149.51	-3,097.28	-411.53	3,124.72	3,114.39	10.33	302.384		
1,567.38	1,566.81	1,459.18	1,457.75	5.44	5.22	165.41	-3,098.01	-412.51	3,126.18	3,115.55	10.62	294.233		
1,610.08	1,609.51	1,498.22	1,496.76	5.59	5.37	143.13	-3,098.76	-413.61	3,127.63	3,116.72	10.91	286.646		
1,652.78	1,652.20	1,558.93	1,557.44	5.73	5.58	111.79	-3,099.86	-414.81	3,128.85	3,117.57	11.27	277.549		
1,695.48	1,694.90	1,605.43	1,603.94	5.88	5.75	117.43	-3,100.59	-415.36	3,129.78	3,118.20	11.58	270.215		
1,738.18	1,737.60	1,661.14	1,659.64	6.02	5.95	116.34	-3,101.22	-415.92	3,130.47	3,118.55	11.93	262.503		
1,780.88	1,780.30	1,696.64	1,695.14	6.17	6.08	89.44	-3,101.65	-416.18	3,131.09	3,118.90	12.20	256.729		
1,823.58	1,823.00	1,733.59	1,732.09	6.31	6.21	94.26	-3,102.17	-416.58	3,131.76	3,119.29	12.47	251.103		
1,866.28	1,865.69	1,783.83	1,782.31	6.46	6.39	95.02	-3,102.84	-417.08	3,132.41	3,119.62	12.80	244.795		
1,908.98	1,908.39	1,824.50	1,822.98	6.60	6.53	104.17	-3,103.34	-417.47	3,133.08	3,119.99	13.09	239.413		
1,951.68	1,951.09	1,864.94	1,863.41	6.75	6.68	97.08	-3,103.89	-418.05	3,133.83	3,120.45	13.38	234.272		
1,994.38	1,993.78	1,917.58	1,916.04	6.89	6.87	102.38	-3,104.48	-418.78	3,134.47	3,120.76	13.71	228.600		
2,037.08	2,036.48	1,964.47	1,962.93	7.04	7.04	98.51	-3,104.92	-419.36	3,135.07	3,121.04	14.03	223.521		

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

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
2,079.78	2,079.17	2,002.12	2,000.57	7.19	7.17	81.90	-3,105.27	-419.80	3,135.53	3,121.23	14.31	219.162		
2,122.48	2,121.87	2,039.80	2,038.25	7.33	7.31	104.38	-3,105.72	-420.22	3,136.14	3,121.55	14.59	214.975		
2,177.48	2,176.86	2,090.29	2,088.73	7.43	7.49	104.40	-3,106.35	-420.76	3,137.12	3,122.26	14.86	211.058		
2,200.00	2,199.38	2,108.83	2,107.27	7.43	7.55	106.84	-3,106.62	-420.90	3,137.55	3,122.61	14.93	210.135		
2,300.00	2,299.37	2,206.79	2,205.21	7.45	7.90	-79.73	-3,108.19	-421.59	3,139.11	3,123.81	15.30	205.231		
2,400.00	2,399.27	2,273.27	2,271.67	7.48	8.14	-78.83	-3,109.53	-422.83	3,140.51	3,124.94	15.57	201.725		
2,500.00	2,498.95	2,341.49	2,338.26	7.54	8.39	-78.60	-3,111.38	-425.52	3,142.24	3,126.37	15.87	198.013		
2,599.85	2,598.15	2,439.56	2,437.70	7.62	8.76	-78.57	-3,114.55	-430.67	3,143.80	3,127.50	16.31	192.787		
2,700.00	2,697.44	2,539.38	2,537.33	7.72	9.13	-78.72	-3,117.72	-435.82	3,145.03	3,128.25	16.78	187.471		
2,800.00	2,796.58	2,639.04	2,636.81	7.85	9.50	-78.87	-3,120.88	-440.97	3,146.28	3,129.01	17.27	182.226		
2,900.00	2,895.72	2,738.70	2,736.28	7.99	9.87	-79.02	-3,124.05	-446.12	3,147.55	3,129.77	17.78	177.068		
3,000.00	2,994.86	2,838.36	2,835.76	8.16	10.24	-79.16	-3,127.21	-451.26	3,148.83	3,130.53	18.31	172.017		
3,100.00	3,094.00	2,938.02	2,935.24	8.34	10.61	-79.31	-3,130.38	-456.41	3,150.14	3,131.29	18.85	167.089		
3,200.00	3,193.14	3,037.69	3,034.72	8.54	10.98	-79.46	-3,133.54	-461.56	3,151.47	3,132.06	19.42	162.298		
3,300.00	3,292.28	3,137.35	3,134.20	8.76	11.35	-79.61	-3,136.71	-466.70	3,152.82	3,132.83	20.00	157.654		
3,400.00	3,391.42	3,237.01	3,233.68	8.99	11.72	-79.75	-3,139.87	-471.85	3,154.20	3,133.60	20.59	153.162		
3,500.00	3,490.56	3,336.67	3,333.15	9.23	12.09	-79.90	-3,143.04	-477.00	3,155.59	3,134.39	21.20	148.828		
3,600.00	3,589.70	3,436.33	3,432.63	9.49	12.46	-80.04	-3,146.20	-482.15	3,157.00	3,135.18	21.82	144.653		
3,700.00	3,688.84	3,536.00	3,532.11	9.76	12.83	-80.19	-3,149.37	-487.29	3,158.44	3,135.98	22.46	140.637		
3,800.00	3,787.98	3,635.66	3,631.59	10.04	13.21	-80.34	-3,152.54	-492.44	3,159.89	3,136.79	23.10	136.778		
3,900.00	3,887.12	3,735.32	3,731.07	10.33	13.58	-80.48	-3,155.70	-497.59	3,161.37	3,137.61	23.76	133.074		
4,000.00	3,986.26	3,834.98	3,830.55	10.62	13.95	-80.63	-3,158.87	-502.74	3,162.86	3,138.44	24.42	129.521		
4,100.00	4,085.40	3,934.64	3,930.03	10.93	14.32	-80.78	-3,162.03	-507.88	3,164.38	3,139.29	25.09	126.115		
4,200.00	4,184.54	4,034.30	4,029.50	11.24	14.69	-80.92	-3,165.20	-513.03	3,165.92	3,140.15	25.77	122.850		
4,300.00	4,283.68	4,133.97	4,128.98	11.56	15.06	-81.07	-3,168.36	-518.18	3,167.48	3,141.02	26.46	119.721		
4,400.00	4,382.82	4,233.63	4,228.46	11.89	15.44	-81.21	-3,171.53	-523.33	3,169.06	3,141.90	27.15	116.724		
4,500.00	4,481.97	4,333.29	4,327.94	12.22	15.81	-81.36	-3,174.69	-528.47	3,170.65	3,142.81	27.85	113.851		
4,600.00	4,581.11	4,432.95	4,427.42	12.56	16.18	-81.50	-3,177.86	-533.62	3,172.27	3,143.72	28.55	111.098		
4,700.00	4,680.25	4,532.61	4,526.90	12.90	16.55	-81.65	-3,181.02	-538.77	3,173.91	3,144.65	29.26	108.460		
4,800.00	4,779.39	4,632.27	4,626.37	13.25	16.92	-81.79	-3,184.19	-543.91	3,175.57	3,145.60	29.98	105.930		
4,900.00	4,878.53	4,731.94	4,725.85	13.60	17.30	-81.94	-3,187.35	-549.06	3,177.26	3,146.56	30.70	103.504		
5,000.00	4,977.67	4,831.60	4,825.33	13.96	17.67	-82.08	-3,190.52	-554.21	3,178.96	3,147.54	31.42	101.177		
5,100.00	5,076.81	4,931.26	4,924.81	14.32	18.04	-82.23	-3,193.69	-559.36	3,180.68	3,148.53	32.15	98.943		
5,200.00	5,175.95	5,030.92	5,024.29	14.68	18.41	-82.37	-3,196.85	-564.50	3,182.42	3,149.54	32.88	96.798		
5,300.00	5,275.09	5,130.58	5,123.77	15.05	18.78	-82.51	-3,200.02	-569.65	3,184.18	3,150.57	33.61	94.738		
5,400.00	5,374.23	5,230.25	5,223.24	15.42	19.16	-82.66	-3,203.18	-574.80	3,185.96	3,151.62	34.35	92.758		
5,500.00	5,473.37	5,329.91	5,322.72	15.79	19.53	-82.80	-3,206.35	-579.95	3,187.77	3,152.68	35.09	90.855		
5,600.00	5,572.51	5,429.57	5,422.20	16.16	19.90	-82.94	-3,209.51	-585.09	3,189.59	3,153.76	35.83	89.024		
5,700.00	5,671.65	5,529.23	5,521.68	16.54	20.27	-83.09	-3,212.68	-590.24	3,191.43	3,154.86	36.57	87.262		
5,800.00	5,770.79	5,628.89	5,621.16	16.92	20.65	-83.23	-3,215.84	-595.39	3,193.30	3,155.98	37.32	85.565		
5,900.00	5,869.93	5,728.55	5,720.64	17.30	21.02	-83.37	-3,219.01	-600.54	3,195.18	3,157.11	38.07	83.931		
6,000.00	5,969.07	5,828.22	5,820.12	17.68	21.39	-83.52	-3,222.17	-605.68	3,197.08	3,158.26	38.82	82.356		
6,100.00	6,068.21	5,927.88	5,919.59	18.07	21.76	-83.66	-3,225.34	-610.83	3,199.00	3,159.43	39.57	80.838		
6,200.00	6,167.35	6,027.54	6,019.07	18.45	22.13	-83.80	-3,228.50	-615.98	3,200.95	3,160.62	40.33	79.373		
6,300.00	6,266.49	6,127.20	6,118.55	18.84	22.51	-83.95	-3,231.67	-621.12	3,202.91	3,161.83	41.08	77.959		
6,400.00	6,365.63	6,226.86	6,218.03	19.23	22.88	-84.09	-3,234.84	-626.27	3,204.89	3,163.05	41.84	76.594		
6,500.00	6,464.77	6,326.52	6,317.51	19.62	23.25	-84.23	-3,238.00	-631.42	3,206.90	3,164.29	42.60	75.275		
6,600.00	6,563.91	6,426.19	6,416.99	20.01	23.62	-84.37	-3,241.17	-636.57	3,208.92	3,165.56	43.36	74.001		
6,700.00	6,663.05	6,525.85	6,516.46	20.40	24.00	-84.51	-3,244.33	-641.71	3,210.96	3,166.83	44.13	72.769		
6,800.00	6,762.19	6,625.51	6,615.94	20.80	24.37	-84.65	-3,247.50	-646.86	3,213.02	3,168.13	44.89	71.577		
6,900.00	6,861.33	6,725.17	6,715.42	21.19	24.74	-84.80	-3,250.66	-652.01	3,215.10	3,169.45	45.65	70.423		
7,000.00	6,960.47	6,824.83	6,814.90	21.59	25.11	-84.94	-3,253.83	-657.16	3,217.20	3,170.78	46.42	69.306		

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



# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
7,100.00	7,059.61	6,924.50	6,914.38	21.99	25.49	-85.08	-3,256.99	-662.30	3,219.33	3,172.14	47.19	68.225		
7,200.00	7,158.75	7,024.16	7,013.86	22.38	25.86	-85.22	-3,260.16	-667.45	3,221.47	3,173.51	47.96	67.177		
7,300.00	7,257.89	7,123.82	7,113.33	22.78	26.23	-85.36	-3,263.32	-672.60	3,223.63	3,174.90	48.72	66.160		
7,400.00	7,357.03	7,223.48	7,212.81	23.18	26.60	-85.50	-3,266.49	-677.75	3,225.80	3,176.31	49.49	65.175		
7,495.63	7,451.84	7,318.79	7,307.94	23.57	26.96	-85.63	-3,269.52	-682.67	3,227.91	3,177.68	50.23	64.261		
7,500.00	7,456.17	7,323.14	7,312.29	23.58	26.98	-85.86	-3,269.65	-682.89	3,228.00	3,177.74	50.27	64.219		
7,550.00	7,505.33	7,372.80	7,361.80	23.81	27.17	-87.35	-3,271.23	-686.24	3,229.10	3,178.43	50.68	63.720		
7,600.00	7,553.51	7,422.84	7,411.26	24.06	27.37	-88.01	-3,272.81	-693.60	3,230.19	3,179.06	51.14	63.168		
7,650.00	7,600.34	7,473.43	7,460.41	24.36	27.58	-88.38	-3,274.38	-705.40	3,231.26	3,179.62	51.65	62.562		
7,700.00	7,645.48	7,524.58	7,508.85	24.70	27.81	-88.61	-3,275.92	-721.69	3,232.31	3,180.10	52.21	61.905		
7,750.00	7,688.57	7,576.29	7,556.15	25.07	28.06	-88.78	-3,277.44	-742.49	3,233.32	3,180.49	52.84	61.195		
7,800.00	7,729.30	7,628.57	7,601.87	25.49	28.32	-88.90	-3,278.90	-767.77	3,234.29	3,180.77	53.52	60.433		
7,850.00	7,767.34	7,681.42	7,645.56	25.94	28.60	-89.00	-3,280.31	-797.45	3,235.21	3,180.94	54.27	59.616		
7,900.00	7,802.41	7,734.83	7,686.74	26.45	28.91	-89.08	-3,281.63	-831.41	3,236.07	3,180.98	55.09	58.743		
7,950.00	7,834.25	7,788.79	7,724.95	27.00	29.26	-89.14	-3,282.87	-869.45	3,236.86	3,180.87	55.99	57.810		
8,000.00	7,862.60	7,843.27	7,759.73	27.59	29.64	-89.19	-3,283.99	-911.34	3,237.58	3,180.59	56.98	56.818		
8,050.00	7,887.26	7,898.24	7,790.64	28.24	30.06	-89.24	-3,285.00	-956.76	3,238.21	3,180.14	58.07	55.767		
8,100.00	7,908.04	7,953.66	7,817.25	28.94	30.54	-89.28	-3,285.87	-1,005.34	3,238.75	3,179.50	59.26	54.658		
8,150.00	7,924.78	8,009.48	7,839.18	29.68	31.08	-89.32	-3,286.59	-1,056.65	3,239.20	3,178.66	60.55	53.501		
8,200.00	7,937.35	8,065.66	7,856.12	30.46	31.68	-89.35	-3,287.15	-1,110.18	3,239.55	3,177.62	61.93	52.308		
8,250.00	7,945.65	8,122.12	7,867.78	31.28	32.33	-89.37	-3,287.55	-1,165.41	3,239.79	3,176.39	63.41	51.096		
8,300.00	7,949.63	8,178.81	7,873.97	32.12	33.02	-89.39	-3,287.77	-1,221.74	3,239.93	3,174.98	64.95	49.881		
8,320.64	7,950.00	8,202.26	7,874.90	32.47	33.32	-89.40	-3,287.82	-1,245.16	3,239.96	3,174.35	65.61	49.384		
8,400.00	7,950.00	8,282.94	7,875.00	33.88	34.42	-89.40	-3,287.86	-1,325.84	3,239.98	3,171.85	68.13	47.555		
8,500.00	7,950.00	8,382.94	7,875.00	35.75	35.92	-89.40	-3,287.91	-1,425.84	3,240.02	3,168.50	71.52	45.303		
8,600.00	7,950.00	8,482.94	7,875.00	37.73	37.54	-89.40	-3,287.95	-1,525.84	3,240.05	3,164.92	75.14	43.123		
8,700.00	7,950.00	8,582.94	7,875.00	39.79	39.29	-89.40	-3,288.00	-1,625.84	3,240.09	3,161.13	78.95	41.038		
8,800.00	7,950.00	8,682.94	7,875.00	41.92	41.14	-89.40	-3,288.05	-1,725.84	3,240.12	3,157.18	82.94	39.064		
8,900.00	7,950.00	8,782.94	7,875.00	44.11	43.08	-89.40	-3,288.10	-1,825.84	3,240.15	3,153.07	87.08	37.207		
9,000.00	7,950.00	8,882.94	7,875.00	46.36	45.09	-89.40	-3,288.15	-1,925.84	3,240.19	3,148.84	91.35	35.469		
9,100.00	7,950.00	8,982.94	7,875.00	48.65	47.18	-89.40	-3,288.20	-2,025.84	3,240.22	3,144.49	95.74	33.846		
9,200.00	7,950.00	9,082.94	7,875.00	50.98	49.32	-89.40	-3,288.25	-2,125.84	3,240.26	3,140.04	100.21	32.333		
9,300.00	7,950.00	9,182.94	7,875.00	53.34	51.52	-89.40	-3,288.29	-2,225.84	3,240.29	3,135.51	104.78	30.925		
9,400.00	7,950.00	9,282.94	7,875.00	55.74	53.76	-89.40	-3,288.34	-2,325.84	3,240.33	3,130.91	109.42	29.615		
9,500.00	7,950.00	9,382.94	7,875.00	58.16	56.04	-89.40	-3,288.39	-2,425.84	3,240.36	3,126.24	114.12	28.394		
9,600.00	7,950.00	9,482.94	7,875.00	60.60	58.35	-89.40	-3,288.44	-2,525.84	3,240.39	3,121.51	118.88	27.257		
9,700.00	7,950.00	9,582.94	7,875.00	63.06	60.70	-89.40	-3,288.49	-2,625.84	3,240.43	3,116.73	123.69	26.197		
9,800.00	7,950.00	9,682.94	7,875.00	65.54	63.07	-89.40	-3,288.54	-2,725.84	3,240.46	3,111.91	128.55	25.207		
9,900.00	7,950.00	9,782.94	7,875.00	68.04	65.47	-89.40	-3,288.59	-2,825.84	3,240.50	3,107.05	133.45	24.283		
10,000.00	7,950.00	9,882.94	7,875.00	70.55	67.89	-89.40	-3,288.63	-2,925.84	3,240.53	3,102.15	138.38	23.417		
10,100.00	7,950.00	9,982.94	7,875.00	73.08	70.33	-89.40	-3,288.68	-3,025.84	3,240.56	3,097.21	143.35	22.606		
10,200.00	7,950.00	10,082.94	7,875.00	75.61	72.79	-89.40	-3,288.73	-3,125.84	3,240.60	3,092.25	148.35	21.845		
10,300.00	7,950.00	10,182.94	7,875.00	78.16	75.26	-89.40	-3,288.78	-3,225.84	3,240.63	3,087.27	153.37	21.130		
10,400.00	7,950.00	10,282.94	7,875.00	80.71	77.75	-89.40	-3,288.83	-3,325.84	3,240.67	3,082.25	158.41	20.457		
10,500.00	7,950.00	10,382.94	7,875.00	83.28	80.25	-89.40	-3,288.88	-3,425.84	3,240.70	3,077.22	163.48	19.823		
10,600.00	7,950.00	10,482.94	7,875.00	85.85	82.76	-89.40	-3,288.93	-3,525.84	3,240.73	3,072.17	168.57	19.225		
10,700.00	7,950.00	10,582.94	7,875.00	88.43	85.29	-89.40	-3,288.97	-3,625.84	3,240.77	3,067.10	173.67	18.661		
10,800.00	7,950.00	10,682.94	7,875.00	91.01	87.82	-89.40	-3,289.02	-3,725.84	3,240.80	3,062.01	178.79	18.126		
10,900.00	7,950.00	10,782.94	7,875.00	93.60	90.37	-89.40	-3,289.07	-3,825.84	3,240.84	3,056.91	183.93	17.620		
11,000.00	7,950.00	10,882.94	7,875.00	96.20	92.92	-89.40	-3,289.12	-3,925.84	3,240.87	3,051.80	189.07	17.141		
11,100.00	7,950.00	10,982.94	7,875.00	98.80	95.48	-89.40	-3,289.17	-4,025.84	3,240.91	3,046.67	194.24	16.685		
11,200.00	7,950.00	11,082.94	7,875.00	101.41	98.04	-89.40	-3,289.22	-4,125.84	3,240.94	3,041.53	199.41	16.253		

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

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
11,300.00	7,950.00	11,182.94	7,875.00	104.02	100.62	-89.40	-3,289.27	-4,225.84	3,240.97	3,036.38	204.59	15.841		
11,400.00	7,950.00	11,282.94	7,875.00	106.63	103.19	-89.40	-3,289.31	-4,325.84	3,241.01	3,031.22	209.79	15.449		
11,500.00	7,950.00	11,382.94	7,875.00	109.25	105.78	-89.40	-3,289.36	-4,425.84	3,241.04	3,026.05	214.99	15.075		
11,600.00	7,950.00	11,482.94	7,875.00	111.88	108.37	-89.40	-3,289.41	-4,525.84	3,241.08	3,020.87	220.20	14.718		
11,700.00	7,950.00	11,582.94	7,875.00	114.50	110.96	-89.40	-3,289.46	-4,625.84	3,241.11	3,015.68	225.42	14.378		
11,800.00	7,950.00	11,682.94	7,875.00	117.13	113.56	-89.40	-3,289.51	-4,725.84	3,241.14	3,010.49	230.65	14.052		
11,900.00	7,950.00	11,782.94	7,875.00	119.76	116.16	-89.40	-3,289.56	-4,825.84	3,241.18	3,005.29	235.89	13.740		
12,000.00	7,950.00	11,882.94	7,875.00	122.39	118.77	-89.40	-3,289.60	-4,925.84	3,241.21	3,000.08	241.13	13.442		
12,100.00	7,950.00	11,982.94	7,875.00	125.03	121.38	-89.40	-3,289.65	-5,025.84	3,241.25	2,994.87	246.37	13.156		
12,200.00	7,950.00	12,082.94	7,875.00	127.67	124.00	-89.40	-3,289.70	-5,125.84	3,241.28	2,989.65	251.63	12.881		
12,300.00	7,950.00	12,182.94	7,875.00	130.31	126.61	-89.40	-3,289.75	-5,225.84	3,241.31	2,984.43	256.89	12.618		
12,400.00	7,950.00	12,282.94	7,875.00	132.95	129.23	-89.40	-3,289.80	-5,325.84	3,241.35	2,979.20	262.15	12.365		
12,500.00	7,950.00	12,382.94	7,875.00	135.60	131.86	-89.40	-3,289.85	-5,425.84	3,241.38	2,973.97	267.42	12.121		
12,600.00	7,950.00	12,482.94	7,875.00	138.24	134.48	-89.40	-3,289.90	-5,525.84	3,241.42	2,968.73	272.69	11.887		
12,700.00	7,950.00	12,582.94	7,875.00	140.89	137.11	-89.40	-3,289.94	-5,625.84	3,241.45	2,963.48	277.97	11.661		
12,800.00	7,950.00	12,682.94	7,875.00	143.54	139.74	-89.40	-3,289.99	-5,725.84	3,241.48	2,958.24	283.25	11.444		
12,900.00	7,950.00	12,782.94	7,875.00	146.19	142.38	-89.40	-3,290.04	-5,825.84	3,241.52	2,952.99	288.53	11.235		
13,000.00	7,950.00	12,882.94	7,875.00	148.84	145.01	-89.40	-3,290.09	-5,925.84	3,241.55	2,947.73	293.82	11.032		
13,100.00	7,950.00	12,982.94	7,875.00	151.50	147.65	-89.40	-3,290.14	-6,025.84	3,241.59	2,942.48	299.11	10.837		
13,200.00	7,950.00	13,082.94	7,875.00	154.15	150.29	-89.40	-3,290.19	-6,125.84	3,241.62	2,937.22	304.40	10.649		
13,300.00	7,950.00	13,182.94	7,875.00	156.81	152.93	-89.40	-3,290.24	-6,225.84	3,241.66	2,931.95	309.70	10.467		
13,400.00	7,950.00	13,282.94	7,875.00	159.47	155.57	-89.40	-3,290.28	-6,325.84	3,241.69	2,926.69	315.00	10.291		
13,500.00	7,950.00	13,382.94	7,875.00	162.13	158.21	-89.40	-3,290.33	-6,425.84	3,241.72	2,921.42	320.31	10.121		
13,600.00	7,950.00	13,482.94	7,875.00	164.79	160.86	-89.40	-3,290.38	-6,525.84	3,241.76	2,916.15	325.61	9.956		
13,700.00	7,950.00	13,582.94	7,875.00	167.45	163.51	-89.40	-3,290.43	-6,625.84	3,241.79	2,910.87	330.92	9.796		
13,800.00	7,950.00	13,682.94	7,875.00	170.11	166.16	-89.40	-3,290.48	-6,725.84	3,241.83	2,905.60	336.23	9.642		
13,900.00	7,950.00	13,782.94	7,875.00	172.77	168.81	-89.40	-3,290.53	-6,825.84	3,241.86	2,900.32	341.54	9.492		
14,000.00	7,950.00	13,882.94	7,875.00	175.44	171.46	-89.40	-3,290.58	-6,925.84	3,241.89	2,895.04	346.86	9.346		
14,100.00	7,950.00	13,982.94	7,875.00	178.10	174.11	-89.40	-3,290.62	-7,025.84	3,241.93	2,889.75	352.17	9.205		
14,200.00	7,950.00	14,082.94	7,875.00	180.77	176.76	-89.40	-3,290.67	-7,125.84	3,241.96	2,884.47	357.49	9.069		
14,300.00	7,950.00	14,182.94	7,875.00	183.43	179.42	-89.40	-3,290.72	-7,225.84	3,242.00	2,879.18	362.81	8.936		
14,400.00	7,950.00	14,282.94	7,875.00	186.10	182.07	-89.40	-3,290.77	-7,325.84	3,242.03	2,873.90	368.14	8.807		
14,500.00	7,950.00	14,382.94	7,875.00	188.77	184.73	-89.40	-3,290.82	-7,425.84	3,242.06	2,868.61	373.46	8.681		
14,600.00	7,950.00	14,482.94	7,875.00	191.43	187.39	-89.40	-3,290.87	-7,525.84	3,242.10	2,863.31	378.78	8.559		
14,700.00	7,950.00	14,582.94	7,875.00	194.10	190.05	-89.40	-3,290.91	-7,625.84	3,242.13	2,858.02	384.11	8.441		
14,800.00	7,950.00	14,682.94	7,875.00	196.77	192.71	-89.40	-3,290.96	-7,725.84	3,242.17	2,852.73	389.44	8.325		
14,900.00	7,950.00	14,782.94	7,875.00	199.44	195.37	-89.40	-3,291.01	-7,825.84	3,242.20	2,847.43	394.77	8.213		
15,000.00	7,950.00	14,882.94	7,875.00	202.11	198.03	-89.40	-3,291.06	-7,925.84	3,242.23	2,842.13	400.10	8.104		
15,100.00	7,950.00	14,982.94	7,875.00	204.78	200.69	-89.40	-3,291.11	-8,025.84	3,242.27	2,836.83	405.44	7.997		
15,200.00	7,950.00	15,082.94	7,875.00	207.45	203.35	-89.40	-3,291.16	-8,125.84	3,242.30	2,831.53	410.77	7.893		
15,300.00	7,950.00	15,182.94	7,875.00	210.13	206.02	-89.40	-3,291.21	-8,225.84	3,242.34	2,826.23	416.11	7.792		
15,400.00	7,950.00	15,282.94	7,875.00	212.80	208.68	-89.40	-3,291.25	-8,325.84	3,242.37	2,820.93	421.44	7.694		
15,500.00	7,950.00	15,382.94	7,875.00	215.47	211.35	-89.40	-3,291.30	-8,425.84	3,242.41	2,815.63	426.78	7.597		
15,600.00	7,950.00	15,482.94	7,875.00	218.15	214.01	-89.40	-3,291.35	-8,525.84	3,242.44	2,810.32	432.12	7.504		
15,700.00	7,950.00	15,582.94	7,875.00	220.82	216.68	-89.40	-3,291.40	-8,625.84	3,242.47	2,805.01	437.46	7.412		
15,800.00	7,950.00	15,682.94	7,875.00	223.49	219.34	-89.40	-3,291.45	-8,725.84	3,242.51	2,799.71	442.80	7.323		
15,900.00	7,950.00	15,782.94	7,875.00	226.17	222.01	-89.40	-3,291.50	-8,825.84	3,242.54	2,794.40	448.14	7.236		
16,000.00	7,950.00	15,882.94	7,875.00	228.84	224.68	-89.40	-3,291.55	-8,925.84	3,242.58	2,789.09	453.48	7.150		
16,100.00	7,950.00	15,982.94	7,875.00	231.52	227.35	-89.40	-3,291.59	-9,025.84	3,242.61	2,783.78	458.83	7.067		
16,200.00	7,950.00	16,082.94	7,875.00	234.20	230.02	-89.40	-3,291.64	-9,125.84	3,242.64	2,778.47	464.17	6.986		
16,300.00	7,950.00	16,182.94	7,875.00	236.87	232.69	-89.40	-3,291.69	-9,225.84	3,242.68	2,773.16	469.52	6.906		
16,400.00	7,950.00	16,282.94	7,875.00	239.55	235.36	-89.40	-3,291.74	-9,325.84	3,242.71	2,767.85	474.86	6.829		

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

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
16,500.00	7,950.00	16,382.94	7,875.00	242.22	238.03	-89.40	-3,291.79	-9,425.84	3,242.75	2,762.53	480.21	6.753		
16,600.00	7,950.00	16,482.94	7,875.00	244.90	240.70	-89.40	-3,291.84	-9,525.84	3,242.78	2,757.22	485.56	6.678		
16,700.00	7,950.00	16,582.94	7,875.00	247.58	243.37	-89.40	-3,291.89	-9,625.84	3,242.81	2,751.91	490.91	6.606		
16,800.00	7,950.00	16,682.94	7,875.00	250.26	246.04	-89.40	-3,291.93	-9,725.84	3,242.85	2,746.59	496.26	6.535		
16,900.00	7,950.00	16,782.94	7,875.00	252.94	248.71	-89.40	-3,291.98	-9,825.84	3,242.88	2,741.28	501.61	6.465		
17,000.00	7,950.00	16,882.94	7,875.00	255.61	251.39	-89.40	-3,292.03	-9,925.84	3,242.92	2,735.96	506.96	6.397		
17,100.00	7,950.00	16,982.94	7,875.00	258.29	254.06	-89.40	-3,292.08	-10,025.84	3,242.95	2,730.64	512.31	6.330		
17,200.00	7,950.00	17,082.94	7,875.00	260.97	256.73	-89.40	-3,292.13	-10,125.84	3,242.99	2,725.32	517.66	6.265		
17,300.00	7,950.00	17,182.94	7,875.00	263.65	259.41	-89.40	-3,292.18	-10,225.84	3,243.02	2,720.01	523.01	6.201		
17,400.00	7,950.00	17,282.94	7,875.00	266.33	262.08	-89.40	-3,292.22	-10,325.84	3,243.05	2,714.69	528.37	6.138		
17,500.00	7,950.00	17,382.94	7,875.00	269.01	264.75	-89.40	-3,292.27	-10,425.84	3,243.09	2,709.37	533.72	6.076		
17,600.00	7,950.00	17,482.94	7,875.00	271.69	267.43	-89.40	-3,292.32	-10,525.84	3,243.12	2,704.05	539.08	6.016		
17,700.00	7,950.00	17,582.94	7,875.00	274.37	270.10	-89.40	-3,292.37	-10,625.84	3,243.16	2,698.73	544.43	5.957		
17,800.00	7,950.00	17,682.94	7,875.00	277.05	272.78	-89.40	-3,292.42	-10,725.84	3,243.19	2,693.40	549.79	5.899		
17,900.00	7,950.00	17,782.94	7,875.00	279.73	275.45	-89.40	-3,292.47	-10,825.84	3,243.22	2,688.08	555.14	5.842		
18,000.00	7,950.00	17,882.94	7,875.00	282.41	278.13	-89.40	-3,292.52	-10,925.84	3,243.26	2,682.76	560.50	5.786		
18,100.00	7,950.00	17,982.94	7,875.00	285.09	280.81	-89.40	-3,292.56	-11,025.84	3,243.29	2,677.44	565.85	5.732		
18,200.00	7,950.00	18,082.94	7,875.00	287.77	283.48	-89.40	-3,292.61	-11,125.84	3,243.33	2,672.11	571.21	5.678		
18,300.00	7,950.00	18,182.94	7,875.00	290.45	286.16	-89.40	-3,292.66	-11,225.84	3,243.36	2,666.79	576.57	5.625		
18,400.00	7,950.00	18,282.94	7,875.00	293.14	288.84	-89.40	-3,292.71	-11,325.84	3,243.39	2,661.47	581.93	5.574		
18,500.00	7,950.00	18,382.94	7,875.00	295.82	291.51	-89.40	-3,292.76	-11,425.84	3,243.43	2,656.14	587.29	5.523		
18,600.00	7,950.00	18,482.94	7,875.00	298.50	294.19	-89.40	-3,292.81	-11,525.84	3,243.46	2,650.82	592.65	5.473		
18,700.00	7,950.00	18,582.94	7,875.00	301.18	296.87	-89.40	-3,292.86	-11,625.84	3,243.50	2,645.49	598.01	5.424		
18,800.00	7,950.00	18,682.94	7,875.00	303.86	299.55	-89.40	-3,292.90	-11,725.84	3,243.53	2,640.17	603.37	5.376		
18,900.00	7,950.00	18,782.94	7,875.00	306.55	302.23	-89.40	-3,292.95	-11,825.84	3,243.56	2,634.84	608.73	5.328		
19,000.00	7,950.00	18,882.94	7,875.00	309.23	304.90	-89.40	-3,293.00	-11,925.84	3,243.60	2,629.51	614.09	5.282		
19,100.00	7,950.00	18,982.94	7,875.00	311.91	307.58	-89.40	-3,293.05	-12,025.84	3,243.63	2,624.19	619.45	5.236		
19,200.00	7,950.00	19,082.94	7,875.00	314.59	310.26	-89.40	-3,293.10	-12,125.84	3,243.67	2,618.86	624.81	5.191		
19,300.00	7,950.00	19,182.94	7,875.00	317.28	312.94	-89.40	-3,293.15	-12,225.84	3,243.70	2,613.53	630.17	5.147		
19,400.00	7,950.00	19,282.94	7,875.00	319.96	315.62	-89.40	-3,293.20	-12,325.84	3,243.74	2,608.20	635.53	5.104		
19,500.00	7,950.00	19,382.94	7,875.00	322.64	318.30	-89.40	-3,293.24	-12,425.84	3,243.77	2,602.87	640.89	5.061		
19,600.00	7,950.00	19,482.94	7,875.00	325.33	320.98	-89.40	-3,293.29	-12,525.84	3,243.80	2,597.55	646.26	5.019		
19,700.00	7,950.00	19,582.94	7,875.00	328.01	323.66	-89.40	-3,293.34	-12,625.84	3,243.84	2,592.22	651.62	4.978		
19,800.00	7,950.00	19,682.94	7,875.00	330.69	326.34	-89.40	-3,293.39	-12,725.84	3,243.87	2,586.89	656.98	4.938		
19,900.00	7,950.00	19,782.94	7,875.00	333.38	329.02	-89.40	-3,293.44	-12,825.84	3,243.91	2,581.56	662.35	4.898		
20,000.00	7,950.00	19,882.94	7,875.00	336.06	331.70	-89.40	-3,293.49	-12,925.84	3,243.94	2,576.23	667.71	4.858		
20,100.00	7,950.00	19,982.94	7,875.00	338.74	334.38	-89.40	-3,293.54	-13,025.84	3,243.97	2,570.90	673.08	4.820		
20,200.00	7,950.00	20,082.94	7,875.00	341.43	337.06	-89.40	-3,293.58	-13,125.84	3,244.01	2,565.57	678.44	4.782		
20,300.00	7,950.00	20,182.94	7,875.00	344.11	339.74	-89.40	-3,293.63	-13,225.84	3,244.04	2,560.24	683.81	4.744		
20,400.00	7,950.00	20,282.94	7,875.00	346.80	342.42	-89.40	-3,293.68	-13,325.84	3,244.08	2,554.91	689.17	4.707		
20,500.00	7,950.00	20,382.94	7,875.00	349.48	345.11	-89.40	-3,293.73	-13,425.84	3,244.11	2,549.58	694.54	4.671		
20,600.00	7,950.00	20,482.94	7,875.00	352.17	347.79	-89.40	-3,293.78	-13,525.84	3,244.14	2,544.24	699.90	4.635		
20,700.00	7,950.00	20,582.94	7,875.00	354.85	350.47	-89.40	-3,293.83	-13,625.84	3,244.18	2,538.91	705.27	4.600		
20,800.00	7,950.00	20,682.94	7,875.00	357.54	353.15	-89.40	-3,293.87	-13,725.84	3,244.21	2,533.58	710.63	4.565		
20,900.00	7,950.00	20,782.94	7,875.00	360.22	355.83	-89.40	-3,293.92	-13,825.84	3,244.25	2,528.25	716.00	4.531		
21,000.00	7,950.00	20,882.94	7,875.00	362.91	358.51	-89.40	-3,293.97	-13,925.84	3,244.28	2,522.92	721.37	4.497		
21,100.00	7,950.00	20,982.94	7,875.00	365.59	361.20	-89.40	-3,294.02	-14,025.84	3,244.32	2,517.58	726.73	4.464		
21,200.00	7,950.00	21,082.94	7,875.00	368.28	363.88	-89.40	-3,294.07	-14,125.84	3,244.35	2,512.25	732.10	4.432		
21,300.00	7,950.00	21,182.94	7,875.00	370.96	366.56	-89.40	-3,294.12	-14,225.84	3,244.38	2,506.92	737.47	4.399		
21,400.00	7,950.00	21,282.94	7,875.00	373.65	369.24	-89.40	-3,294.17	-14,325.84	3,244.42	2,501.58	742.83	4.368		
21,500.00	7,950.00	21,382.94	7,875.00	376.33	371.92	-89.40	-3,294.21	-14,425.84	3,244.45	2,496.25	748.20	4.336		
21,600.00	7,950.00	21,482.94	7,875.00	379.02	374.61	-89.40	-3,294.26	-14,525.84	3,244.49	2,490.92	753.57	4.305		

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

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SEC 21-T4S-R65W - GRANDE 4-65 20-19 4AH - OWB - PROPOSAL 1												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 29-MWD OWSG, 2150-MWD OWSG												<b>Offset Well Error:</b>	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	
21,700.00	7,950.00	21,582.94	7,875.00	381.70	377.29	-89.40	-3,294.31	-14,625.84	3,244.52	2,485.58	758.94	4.275	
21,800.00	7,950.00	21,682.94	7,875.00	384.39	379.97	-89.40	-3,294.36	-14,725.84	3,244.55	2,480.25	764.31	4.245	
21,900.00	7,950.00	21,782.94	7,875.00	387.07	382.66	-89.40	-3,294.41	-14,825.84	3,244.59	2,474.91	769.67	4.216	
22,000.00	7,950.00	21,882.94	7,875.00	389.76	385.34	-89.40	-3,294.46	-14,925.84	3,244.62	2,469.58	775.04	4.186	
22,100.00	7,950.00	21,982.94	7,875.00	392.44	388.02	-89.40	-3,294.51	-15,025.84	3,244.66	2,464.25	780.41	4.158	
22,200.00	7,950.00	22,082.94	7,875.00	395.13	390.71	-89.40	-3,294.55	-15,125.84	3,244.69	2,458.91	785.78	4.129	
22,300.00	7,950.00	22,182.94	7,875.00	397.82	393.39	-89.40	-3,294.60	-15,225.84	3,244.72	2,453.58	791.15	4.101	
22,400.00	7,950.00	22,282.94	7,875.00	400.50	396.07	-89.40	-3,294.65	-15,325.84	3,244.76	2,448.24	796.52	4.074	
22,500.00	7,950.00	22,382.94	7,875.00	403.19	398.76	-89.40	-3,294.70	-15,425.84	3,244.79	2,442.90	801.89	4.046	
22,600.00	7,950.00	22,482.94	7,875.00	405.88	401.44	-89.40	-3,294.75	-15,525.84	3,244.83	2,437.57	807.26	4.020	
22,700.00	7,950.00	22,582.94	7,875.00	408.56	404.12	-89.40	-3,294.80	-15,625.84	3,244.86	2,432.23	812.63	3.993	
22,800.00	7,950.00	22,682.94	7,875.00	411.25	406.81	-89.40	-3,294.85	-15,725.84	3,244.89	2,426.90	818.00	3.967	
22,900.00	7,950.00	22,782.94	7,875.00	413.93	409.49	-89.40	-3,294.89	-15,825.84	3,244.93	2,421.56	823.37	3.941	
23,000.00	7,950.00	22,882.94	7,875.00	416.62	412.18	-89.40	-3,294.94	-15,925.84	3,244.96	2,416.23	828.74	3.916	
23,100.00	7,950.00	22,982.94	7,875.00	419.31	414.86	-89.40	-3,294.99	-16,025.84	3,245.00	2,410.89	834.11	3.890	
23,200.00	7,950.00	23,082.94	7,875.00	421.99	417.54	-89.40	-3,295.04	-16,125.84	3,245.03	2,405.55	839.48	3.866	
23,306.83	7,950.00	23,189.77	7,875.00	424.86	420.41	-89.40	-3,295.09	-16,232.67	3,245.07	2,399.85	845.22	3.839 ES, SF	

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

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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	-173.33	-3,119.21	-365.03	3,140.76							
29.48	29.48	0.00	0.00	0.01	0.00	24.48	-3,119.21	-365.03	3,140.49							
60.08	60.08	16.82	16.82	0.12	0.01	-24.22	-3,119.21	-365.05	3,140.30	3,140.18	0.12	N/A				
90.68	90.68	43.16	43.16	0.23	0.06	-30.89	-3,119.23	-365.15	3,140.09	3,139.80	0.29	N/A				
121.28	121.28	59.50	59.50	0.34	0.12	-29.91	-3,119.27	-365.20	3,139.97	3,139.52	0.46	6,875.430				
131.33	131.32	69.47	69.47	0.37	0.15	-22.45	-3,119.31	-365.24	3,139.96	3,139.43	0.53	5,944.005				
151.88	151.88	79.10	79.09	0.45	0.19	-4.53	-3,119.39	-365.30	3,139.99	3,139.35	0.64	4,932.369				
182.48	182.47	129.15	129.15	0.56	0.37	-39.59	-3,119.78	-365.73	3,140.05	3,139.12	0.92	3,394.803				
213.08	213.07	159.08	159.07	0.67	0.48	-40.90	-3,119.87	-365.99	3,139.84	3,138.70	1.14	2,750.297				
243.68	243.67	189.19	189.18	0.78	0.58	-39.86	-3,119.97	-366.24	3,139.60	3,138.24	1.36	2,310.334				
286.38	286.36	229.51	229.50	0.93	0.73	-54.46	-3,120.10	-366.66	3,139.28	3,137.62	1.66	1,895.568				
329.08	329.05	280.77	280.76	1.08	0.91	-61.57	-3,120.25	-367.24	3,138.93	3,136.94	1.99	1,575.753				
371.78	371.73	323.10	323.08	1.24	1.06	-67.08	-3,120.33	-367.39	3,138.50	3,136.20	2.29	1,368.630				
414.48	414.41	358.74	358.73	1.39	1.18	-79.46	-3,120.46	-367.17	3,138.22	3,135.65	2.57	1,222.452				
423.67	423.59	366.10	366.09	1.42	1.21	-82.32	-3,120.50	-367.10	3,138.21	3,135.58	2.63	1,195.469 CC				
457.18	457.07	384.68	384.66	1.54	1.27	-90.94	-3,120.66	-366.91	3,138.39	3,135.59	2.81	1,117.621				
499.88	499.73	401.40	401.38	1.70	1.33	-91.87	-3,120.89	-366.75	3,139.02	3,136.00	3.02	1,039.975				
542.58	542.37	432.18	432.16	1.85	1.44	-91.33	-3,121.48	-366.46	3,139.88	3,136.60	3.28	957.360				
585.28	584.99	459.83	459.79	2.00	1.53	-93.52	-3,122.20	-366.22	3,141.05	3,137.51	3.53	889.389				
627.98	627.61	491.89	491.84	2.16	1.65	-91.68	-3,123.14	-366.07	3,142.39	3,138.59	3.80	826.855				
670.68	670.24	527.23	527.16	2.31	1.77	-84.69	-3,124.25	-366.07	3,143.66	3,139.58	4.08	770.215				
713.38	712.89	568.37	568.28	2.47	1.92	-83.95	-3,125.60	-366.19	3,144.86	3,140.48	4.38	717.425				
756.08	755.57	596.86	596.76	2.62	2.02	-89.30	-3,126.58	-366.31	3,146.26	3,141.62	4.64	678.138				
798.78	798.26	623.60	623.47	2.78	2.12	-95.41	-3,127.65	-366.41	3,147.99	3,143.11	4.89	644.029				
841.48	840.95	649.38	649.23	2.93	2.21	-123.59	-3,128.81	-366.47	3,150.06	3,144.93	5.13	613.951				
884.18	883.65	676.90	676.71	3.08	2.31	-113.22	-3,130.20	-366.48	3,152.35	3,146.98	5.38	586.094				
926.88	926.35	705.03	704.80	3.23	2.42	-105.83	-3,131.76	-366.46	3,154.77	3,149.14	5.63	560.436				
969.58	969.05	732.49	732.21	3.38	2.52	-66.02	-3,133.40	-366.50	3,157.30	3,151.42	5.88	537.143				
1,012.28	1,011.75	761.13	760.79	3.53	2.62	-123.23	-3,135.24	-366.64	3,160.10	3,153.97	6.13	515.437				
1,054.98	1,054.45	793.72	793.30	3.68	2.74	-97.53	-3,137.47	-366.81	3,163.15	3,156.75	6.40	494.372				
1,097.68	1,097.15	838.49	837.96	3.84	2.91	-44.65	-3,140.54	-367.11	3,165.98	3,159.27	6.71	471.815				
1,140.38	1,139.85	874.98	874.37	3.99	3.05	-86.59	-3,143.07	-367.42	3,168.82	3,161.83	6.99	453.181				
1,183.08	1,182.55	911.40	910.69	4.14	3.18	-91.12	-3,145.67	-367.75	3,171.88	3,164.61	7.28	435.980				
1,225.78	1,225.24	959.19	958.35	4.29	3.36	-83.82	-3,149.08	-368.22	3,174.94	3,167.34	7.60	417.757				
1,268.48	1,267.94	991.18	990.26	4.44	3.48	145.25	-3,151.40	-368.53	3,178.21	3,170.35	7.86	404.313				
1,311.18	1,310.64	1,032.49	1,031.46	4.58	3.64	160.82	-3,154.47	-368.90	3,181.82	3,173.67	8.15	390.350				
1,353.88	1,353.34	1,083.72	1,082.54	4.72	3.83	148.83	-3,158.21	-369.43	3,185.45	3,176.97	8.48	375.679				
1,396.58	1,396.03	1,124.00	1,122.72	4.87	3.98	166.48	-3,161.11	-369.82	3,189.19	3,180.42	8.77	363.752				
1,439.28	1,438.72	1,176.69	1,175.28	5.01	4.18	143.93	-3,164.83	-370.22	3,192.93	3,183.83	9.10	350.798				
1,481.98	1,481.42	1,220.24	1,218.72	5.15	4.34	158.62	-3,167.86	-370.41	3,196.49	3,187.09	9.40	339.970				
1,524.68	1,524.11	1,410.87	1,409.10	5.30	5.04	148.60	-3,176.92	-370.26	3,199.20	3,188.96	10.24	312.440				
1,567.38	1,566.81	1,567.66	1,565.87	5.44	5.57	164.48	-3,177.62	-369.69	3,199.78	3,188.87	10.91	293.176				
1,610.08	1,609.51	1,603.27	1,601.48	5.59	5.69	142.19	-3,177.23	-369.62	3,199.81	3,188.63	11.18	286.280				
1,652.78	1,652.20	1,647.87	1,646.08	5.73	5.83	110.83	-3,176.75	-369.54	3,199.66	3,188.19	11.47	279.005				
1,695.48	1,694.90	1,686.66	1,684.87	5.88	5.95	116.45	-3,176.37	-369.42	3,199.43	3,187.68	11.74	272.506				
1,738.18	1,737.60	1,740.46	1,738.66	6.02	6.13	115.35	-3,175.78	-369.25	3,199.11	3,187.05	12.06	265.199				
1,780.88	1,780.30	1,797.91	1,796.11	6.17	6.32	88.46	-3,174.90	-369.16	3,198.52	3,186.12	12.40	257.993				
1,823.58	1,823.00	1,847.48	1,845.67	6.31	6.48	93.27	-3,173.95	-369.14	3,197.71	3,185.01	12.71	251.641				
1,866.28	1,865.69	1,903.74	1,901.91	6.46	6.66	94.04	-3,172.71	-369.26	3,196.82	3,183.78	13.04	245.159				
1,908.98	1,908.39	1,962.01	1,960.16	6.60	6.86	103.20	-3,171.09	-369.40	3,195.72	3,182.34	13.38	238.855				
1,951.68	1,951.09	2,007.22	2,005.35	6.75	7.01	96.10	-3,169.74	-369.43	3,194.55	3,180.88	13.68	233.562				
1,994.38	1,993.78	2,048.42	2,046.53	6.89	7.14	101.39	-3,168.51	-369.45	3,193.37	3,179.41	13.96	228.696				

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

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
2,037.08	2,036.48	2,081.27	2,079.36	7.04	7.25	97.51	-3,167.57	-369.42	3,192.28	3,178.05	14.22	224.449		
2,079.78	2,079.17	2,109.76	2,107.85	7.19	7.35	80.88	-3,166.89	-369.42	3,191.25	3,176.78	14.47	220.571		
2,122.48	2,121.87	2,153.62	2,145.38	7.33	7.50	103.37	-3,166.09	-369.38	3,190.38	3,175.62	14.77	216.075		
2,177.48	2,176.86	2,202.29	2,200.36	7.43	7.66	103.38	-3,164.99	-369.20	3,189.48	3,174.45	15.03	212.253		
2,200.00	2,199.38	2,205.46	2,203.53	7.43	7.67	105.80	-3,164.93	-369.19	3,189.15	3,174.11	15.04	212.028		
2,300.00	2,299.37	2,262.96	2,261.02	7.45	7.87	-80.82	-3,164.32	-369.22	3,188.13	3,172.87	15.26	208.904		
2,335.50	2,334.85	2,280.06	2,278.12	7.46	7.93	-80.32	-3,164.34	-369.31	3,188.01	3,172.68	15.33	207.906		
2,400.00	2,399.27	2,300.00	2,298.06	7.48	8.00	-79.94	-3,164.49	-369.46	3,188.15	3,172.72	15.43	206.674		
2,500.00	2,498.95	2,359.21	2,357.25	7.54	8.21	-79.74	-3,165.70	-370.20	3,189.07	3,173.38	15.69	203.263		
2,599.85	2,598.15	2,400.00	2,398.01	7.62	8.36	-79.66	-3,167.20	-370.97	3,191.03	3,175.12	15.91	200.616		
2,700.00	2,697.44	2,455.07	2,452.99	7.72	8.56	-79.77	-3,170.07	-372.35	3,194.28	3,178.08	16.20	197.212		
2,800.00	2,796.58	2,500.00	2,497.79	7.85	8.72	-79.85	-3,173.14	-373.75	3,199.18	3,182.71	16.47	194.268		
2,900.00	2,895.72	2,550.78	2,548.36	7.99	8.91	-79.94	-3,177.41	-375.65	3,205.70	3,188.93	16.78	191.059		
3,000.00	2,994.86	2,600.00	2,597.28	8.16	9.09	-80.03	-3,182.34	-377.79	3,213.86	3,196.76	17.10	187.956		
3,100.00	3,094.00	2,646.21	2,643.12	8.34	9.27	-80.10	-3,187.67	-380.09	3,223.62	3,206.20	17.42	185.025		
3,200.00	3,193.14	2,700.00	2,696.36	8.54	9.47	-80.18	-3,194.76	-383.09	3,235.00	3,217.21	17.79	181.841		
3,300.00	3,292.28	2,750.70	2,746.41	8.76	9.67	-80.26	-3,202.23	-386.24	3,247.93	3,229.77	18.16	178.864		
3,400.00	3,391.42	2,849.48	2,843.85	8.99	10.06	-80.40	-3,217.12	-392.49	3,261.40	3,242.66	18.74	174.002		
3,500.00	3,490.56	2,948.25	2,941.30	9.23	10.46	-80.53	-3,232.00	-398.74	3,274.90	3,255.55	19.34	169.302		
3,600.00	3,589.70	3,047.02	3,038.74	9.49	10.86	-80.67	-3,246.89	-404.99	3,288.41	3,268.45	19.96	164.771		
3,700.00	3,688.84	3,145.80	3,136.19	9.76	11.26	-80.81	-3,261.77	-411.24	3,301.94	3,281.36	20.58	160.410		
3,800.00	3,787.98	3,244.57	3,233.64	10.04	11.67	-80.94	-3,276.66	-417.50	3,315.49	3,294.27	21.22	156.220		
3,900.00	3,887.12	3,343.35	3,331.08	10.33	12.08	-81.08	-3,291.55	-423.75	3,329.06	3,307.19	21.87	152.199		
4,000.00	3,986.26	3,442.12	3,428.53	10.62	12.49	-81.21	-3,306.43	-430.00	3,342.65	3,320.11	22.53	148.345		
4,100.00	4,085.40	3,540.90	3,525.97	10.93	12.91	-81.34	-3,321.32	-436.25	3,356.25	3,333.05	23.20	144.653		
4,200.00	4,184.54	3,639.67	3,623.42	11.24	13.33	-81.47	-3,336.20	-442.50	3,369.87	3,345.99	23.88	141.119		
4,300.00	4,283.68	3,738.45	3,720.87	11.56	13.75	-81.60	-3,351.09	-448.76	3,383.51	3,358.94	24.57	137.736		
4,400.00	4,382.82	3,837.22	3,818.31	11.89	14.17	-81.73	-3,365.98	-455.01	3,397.16	3,371.90	25.26	134.499		
4,500.00	4,481.97	3,935.99	3,915.76	12.22	14.59	-81.86	-3,380.86	-461.26	3,410.83	3,384.88	25.96	131.401		
4,600.00	4,581.11	4,034.77	4,013.20	12.56	15.02	-81.98	-3,395.75	-467.51	3,424.52	3,397.86	26.66	128.436		
4,700.00	4,680.25	4,133.54	4,110.65	12.90	15.44	-82.11	-3,410.63	-473.76	3,438.23	3,410.85	27.37	125.599		
4,800.00	4,779.39	4,232.32	4,208.10	13.25	15.87	-82.23	-3,425.52	-480.02	3,451.95	3,423.86	28.09	122.883		
4,900.00	4,878.53	4,331.09	4,305.54	13.60	16.30	-82.36	-3,440.41	-486.27	3,465.68	3,436.87	28.81	120.282		
5,000.00	4,977.67	4,429.87	4,402.99	13.96	16.73	-82.48	-3,455.29	-492.52	3,479.44	3,449.90	29.54	117.791		
5,100.00	5,076.81	4,528.64	4,500.43	14.32	17.16	-82.60	-3,470.18	-498.77	3,493.21	3,462.94	30.27	115.403		
5,200.00	5,175.95	4,627.42	4,597.88	14.68	17.60	-82.72	-3,485.06	-505.02	3,506.99	3,475.98	31.00	113.114		
5,300.00	5,275.09	4,726.19	4,695.33	15.05	18.03	-82.84	-3,499.95	-511.27	3,520.79	3,489.05	31.74	110.918		
5,400.00	5,374.23	4,824.97	4,792.77	15.42	18.46	-82.96	-3,514.84	-517.53	3,534.60	3,502.12	32.48	108.811		
5,500.00	5,473.37	4,923.74	4,890.22	15.79	18.90	-83.08	-3,529.72	-523.78	3,548.43	3,515.20	33.23	106.788		
5,600.00	5,572.51	5,022.51	4,987.66	16.16	19.33	-83.20	-3,544.61	-530.03	3,562.27	3,528.30	33.98	104.845		
5,700.00	5,671.65	5,121.29	5,085.11	16.54	19.77	-83.31	-3,559.49	-536.28	3,576.13	3,541.40	34.73	102.977		
5,800.00	5,770.79	5,220.06	5,182.55	16.92	20.21	-83.43	-3,574.38	-542.53	3,590.00	3,554.52	35.48	101.182		
5,900.00	5,869.93	5,318.84	5,280.00	17.30	20.65	-83.54	-3,589.27	-548.79	3,603.89	3,567.65	36.24	99.454		
6,000.00	5,969.07	5,417.61	5,377.45	17.68	21.08	-83.66	-3,604.15	-555.04	3,617.79	3,580.80	36.99	97.791		
6,100.00	6,068.21	5,516.39	5,474.89	18.07	21.52	-83.77	-3,619.04	-561.29	3,631.70	3,593.95	37.76	96.190		
6,200.00	6,167.35	5,615.16	5,572.34	18.45	21.96	-83.88	-3,633.92	-567.54	3,645.63	3,607.11	38.52	94.647		
6,300.00	6,266.49	5,713.94	5,669.78	18.84	22.40	-83.99	-3,648.81	-573.79	3,659.57	3,620.29	39.28	93.160		
6,400.00	6,365.63	5,812.71	5,767.23	19.23	22.84	-84.10	-3,663.70	-580.05	3,673.53	3,633.48	40.05	91.725		
6,500.00	6,464.77	5,911.48	5,864.68	19.62	23.28	-84.21	-3,678.58	-586.30	3,687.50	3,646.68	40.82	90.341		
6,600.00	6,563.91	6,010.26	5,962.12	20.01	23.72	-84.32	-3,693.47	-592.55	3,701.48	3,659.89	41.59	89.004		
6,700.00	6,663.05	6,109.03	6,059.57	20.40	24.16	-84.43	-3,708.35	-598.80	3,715.47	3,673.11	42.36	87.713		
6,800.00	6,762.19	6,207.81	6,157.01	20.80	24.61	-84.53	-3,723.24	-605.05	3,729.48	3,686.35	43.13	86.465		

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

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
6,900.00	6,861.33	6,306.58	6,254.46	21.19	25.05	-84.64	-3,738.13	-611.31	3,743.50	3,699.59	43.91	85.259		
7,000.00	6,960.47	6,405.36	6,351.91	21.59	25.49	-84.74	-3,753.01	-617.56	3,757.53	3,712.85	44.68	84.092		
7,100.00	7,059.61	6,504.13	6,449.35	21.99	25.93	-84.85	-3,767.90	-623.81	3,771.58	3,726.12	45.46	82.963		
7,200.00	7,158.75	6,602.91	6,546.80	22.38	26.38	-84.95	-3,782.78	-630.06	3,785.63	3,739.40	46.24	81.870		
7,300.00	7,257.89	6,701.68	6,644.24	22.78	26.82	-85.05	-3,797.67	-636.31	3,799.70	3,752.68	47.02	80.811		
7,400.00	7,357.03	6,800.45	6,741.69	23.18	27.26	-85.16	-3,812.56	-642.56	3,813.78	3,765.98	47.80	79.785		
7,495.63	7,451.84	6,905.09	6,834.88	23.57	27.73	-85.25	-3,826.79	-648.54	3,827.26	3,778.67	48.59	78.770		
7,500.00	7,456.17	6,899.23	6,839.14	23.58	27.71	-85.42	-3,827.44	-648.82	3,827.88	3,779.29	48.58	78.790		
7,550.00	7,505.33	6,948.37	6,887.61	23.81	27.93	-86.30	-3,834.85	-651.93	3,834.89	3,785.90	49.00	78.269		
7,600.00	7,553.51	7,003.19	6,935.40	24.06	28.17	-86.41	-3,842.15	-654.99	3,841.83	3,792.36	49.47	77.657		
7,650.00	7,600.34	7,044.19	6,982.14	24.36	28.36	-86.30	-3,849.29	-657.99	3,848.67	3,798.74	49.93	77.077		
7,700.00	7,645.48	7,090.14	7,027.48	24.70	28.56	-86.11	-3,856.21	-660.90	3,855.41	3,804.95	50.45	76.414		
7,750.00	7,688.57	7,134.32	7,071.06	25.07	28.76	-85.90	-3,862.87	-663.70	3,862.05	3,811.04	51.01	75.711		
7,800.00	7,729.30	7,176.39	7,112.57	25.49	28.95	-85.68	-3,869.21	-666.36	3,868.61	3,817.01	51.60	74.970		
7,850.00	7,767.34	7,216.02	7,151.67	25.94	29.13	-85.47	-3,875.19	-668.87	3,875.11	3,822.88	52.23	74.195		
7,900.00	7,802.41	7,252.93	7,188.08	26.45	29.30	-85.25	-3,880.75	-671.20	3,881.59	3,828.70	52.89	73.386		
7,950.00	7,834.25	7,286.82	7,221.52	27.00	29.45	-85.02	-3,885.86	-673.35	3,888.07	3,834.48	53.59	72.548		
8,000.00	7,862.60	7,317.44	7,251.73	27.59	29.59	-84.76	-3,890.47	-675.29	3,894.59	3,840.26	54.33	71.684		
8,050.00	7,887.26	7,344.56	7,278.48	28.24	29.71	-84.46	-3,894.56	-677.00	3,901.19	3,846.08	55.10	70.799		
8,100.00	7,908.04	7,367.97	7,301.57	28.94	29.81	-84.12	-3,898.08	-678.49	3,907.87	3,851.96	55.91	69.900		
8,150.00	7,924.78	7,387.48	7,320.83	29.68	29.90	-83.72	-3,901.03	-679.72	3,914.67	3,857.93	56.74	68.994		
8,200.00	7,937.35	7,402.97	7,336.10	30.46	29.97	-83.26	-3,903.36	-680.70	3,921.58	3,863.98	57.59	68.091		
8,250.00	7,945.65	7,414.29	7,347.27	31.28	30.02	-82.72	-3,905.07	-681.42	3,928.60	3,870.14	58.46	67.199		
8,300.00	7,949.63	7,421.37	7,354.26	32.12	30.05	-82.11	-3,906.13	-681.87	3,935.72	3,876.38	59.33	66.331		
8,320.64	7,950.00	7,423.05	7,355.91	32.47	30.06	-81.84	-3,906.39	-681.97	3,938.68	3,878.98	59.69	65.981		
8,400.00	7,950.00	8,418.76	7,950.00	33.88	36.86	-90.59	-3,997.45	-1,325.40	3,949.61	3,881.18	68.43	57.714		
8,500.00	7,950.00	8,518.76	7,950.00	35.75	38.15	-90.59	-3,997.50	-1,425.40	3,949.65	3,877.85	71.79	55.013		
8,600.00	7,950.00	8,618.76	7,950.00	37.73	39.59	-90.59	-3,997.55	-1,525.40	3,949.68	3,874.30	75.39	52.392		
8,700.00	7,950.00	8,718.76	7,950.00	39.79	41.17	-90.59	-3,997.60	-1,625.40	3,949.72	3,870.54	79.18	49.881		
8,800.00	7,950.00	8,818.76	7,950.00	41.92	42.88	-90.59	-3,997.65	-1,725.40	3,949.76	3,866.61	83.15	47.501		
8,900.00	7,950.00	8,918.76	7,950.00	44.11	44.69	-90.59	-3,997.70	-1,825.40	3,949.79	3,862.52	87.27	45.259		
9,000.00	7,950.00	9,018.76	7,950.00	46.36	46.59	-90.59	-3,997.75	-1,925.40	3,949.83	3,858.31	91.52	43.157		
9,100.00	7,950.00	9,118.76	7,950.00	48.65	48.57	-90.59	-3,997.81	-2,025.40	3,949.87	3,853.98	95.89	41.193		
9,200.00	7,950.00	9,218.76	7,950.00	50.98	50.62	-90.59	-3,997.86	-2,125.40	3,949.90	3,849.55	100.35	39.362		
9,300.00	7,950.00	9,318.76	7,950.00	53.34	52.73	-90.59	-3,997.91	-2,225.40	3,949.94	3,845.04	104.90	37.655		
9,400.00	7,950.00	9,418.76	7,950.00	55.74	54.90	-90.59	-3,997.96	-2,325.40	3,949.98	3,840.45	109.52	36.065		
9,500.00	7,950.00	9,518.76	7,950.00	58.16	57.11	-90.59	-3,998.01	-2,425.40	3,950.01	3,835.80	114.21	34.584		
9,600.00	7,950.00	9,618.76	7,950.00	60.60	59.36	-90.59	-3,998.06	-2,525.40	3,950.05	3,831.09	118.96	33.204		
9,700.00	7,950.00	9,718.76	7,950.00	63.06	61.65	-90.59	-3,998.11	-2,625.40	3,950.09	3,826.32	123.76	31.916		
9,800.00	7,950.00	9,818.76	7,950.00	65.54	63.98	-90.59	-3,998.16	-2,725.40	3,950.12	3,821.51	128.61	30.713		
9,900.00	7,950.00	9,918.76	7,950.00	68.04	66.33	-90.59	-3,998.21	-2,825.40	3,950.16	3,816.66	133.50	29.589		
10,000.00	7,950.00	10,018.76	7,950.00	70.55	68.70	-90.59	-3,998.26	-2,925.40	3,950.20	3,811.77	138.43	28.536		
10,100.00	7,950.00	10,118.76	7,950.00	73.08	71.10	-90.59	-3,998.32	-3,025.40	3,950.23	3,806.85	143.38	27.550		
10,200.00	7,950.00	10,218.76	7,950.00	75.61	73.53	-90.59	-3,998.37	-3,125.40	3,950.27	3,801.90	148.37	26.624		
10,300.00	7,950.00	10,318.76	7,950.00	78.16	75.97	-90.59	-3,998.42	-3,225.40	3,950.31	3,796.92	153.39	25.754		
10,400.00	7,950.00	10,418.76	7,950.00	80.71	78.42	-90.59	-3,998.47	-3,325.40	3,950.34	3,791.92	158.43	24.935		
10,500.00	7,950.00	10,518.76	7,950.00	83.28	80.89	-90.59	-3,998.52	-3,425.40	3,950.38	3,786.89	163.49	24.163		
10,600.00	7,950.00	10,618.76	7,950.00	85.85	83.38	-90.59	-3,998.57	-3,525.40	3,950.42	3,781.85	168.57	23.435		
10,700.00	7,950.00	10,718.76	7,950.00	88.43	85.88	-90.59	-3,998.62	-3,625.40	3,950.45	3,776.79	173.67	22.747		
10,800.00	7,950.00	10,818.76	7,950.00	91.01	88.39	-90.59	-3,998.67	-3,725.40	3,950.49	3,771.71	178.78	22.097		
10,900.00	7,950.00	10,918.76	7,950.00	93.60	90.91	-90.59	-3,998.72	-3,825.40	3,950.52	3,766.61	183.91	21.480		
11,000.00	7,950.00	11,018.76	7,950.00	96.20	93.44	-90.59	-3,998.77	-3,925.40	3,950.56	3,761.50	189.06	20.896		

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



# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
11,100.00	7,950.00	11,118.76	7,950.00	98.80	95.98	-90.59	-3,998.83	-4,025.40	3,950.60	3,756.38	194.22	20.341		
11,200.00	7,950.00	11,218.76	7,950.00	101.41	98.52	-90.59	-3,998.88	-4,125.40	3,950.63	3,751.25	199.38	19.814		
11,300.00	7,950.00	11,318.76	7,950.00	104.02	101.08	-90.59	-3,998.93	-4,225.40	3,950.67	3,746.11	204.57	19.313		
11,400.00	7,950.00	11,418.76	7,950.00	106.63	103.64	-90.59	-3,998.98	-4,325.40	3,950.71	3,740.95	209.76	18.835		
11,500.00	7,950.00	11,518.76	7,950.00	109.25	106.21	-90.59	-3,999.03	-4,425.40	3,950.74	3,735.79	214.96	18.379		
11,600.00	7,950.00	11,618.76	7,950.00	111.88	108.78	-90.59	-3,999.08	-4,525.40	3,950.78	3,730.62	220.17	17.945		
11,700.00	7,950.00	11,718.76	7,950.00	114.50	111.36	-90.59	-3,999.13	-4,625.40	3,950.82	3,725.43	225.38	17.529		
11,800.00	7,950.00	11,818.76	7,950.00	117.13	113.95	-90.59	-3,999.18	-4,725.40	3,950.85	3,720.25	230.61	17.132		
11,900.00	7,950.00	11,918.76	7,950.00	119.76	116.54	-90.59	-3,999.23	-4,825.40	3,950.89	3,715.05	235.84	16.752		
12,000.00	7,950.00	12,018.76	7,950.00	122.39	119.13	-90.59	-3,999.28	-4,925.40	3,950.93	3,709.85	241.08	16.389		
12,100.00	7,950.00	12,118.76	7,950.00	125.03	121.73	-90.59	-3,999.33	-5,025.40	3,950.96	3,704.64	246.32	16.040		
12,200.00	7,950.00	12,218.76	7,950.00	127.67	124.33	-90.59	-3,999.39	-5,125.40	3,951.00	3,699.43	251.57	15.705		
12,300.00	7,950.00	12,318.76	7,950.00	130.31	126.94	-90.59	-3,999.44	-5,225.40	3,951.04	3,694.21	256.83	15.384		
12,400.00	7,950.00	12,418.76	7,950.00	132.95	129.55	-90.59	-3,999.49	-5,325.40	3,951.07	3,688.98	262.09	15.075		
12,500.00	7,950.00	12,518.76	7,950.00	135.60	132.16	-90.59	-3,999.54	-5,425.40	3,951.11	3,683.75	267.36	14.779		
12,600.00	7,950.00	12,618.76	7,950.00	138.24	134.78	-90.59	-3,999.59	-5,525.40	3,951.15	3,678.52	272.63	14.493		
12,700.00	7,950.00	12,718.76	7,950.00	140.89	137.40	-90.59	-3,999.64	-5,625.40	3,951.18	3,673.28	277.90	14.218		
12,800.00	7,950.00	12,818.76	7,950.00	143.54	140.02	-90.59	-3,999.69	-5,725.40	3,951.22	3,668.04	283.18	13.953		
12,900.00	7,950.00	12,918.76	7,950.00	146.19	142.64	-90.59	-3,999.74	-5,825.40	3,951.26	3,662.79	288.46	13.698		
13,000.00	7,950.00	13,018.76	7,950.00	148.84	145.27	-90.59	-3,999.79	-5,925.40	3,951.29	3,657.54	293.75	13.451		
13,100.00	7,950.00	13,118.76	7,950.00	151.50	147.90	-90.59	-3,999.84	-6,025.40	3,951.33	3,652.29	299.04	13.213		
13,200.00	7,950.00	13,218.76	7,950.00	154.15	150.53	-90.59	-3,999.90	-6,125.40	3,951.37	3,647.04	304.33	12.984		
13,300.00	7,950.00	13,318.76	7,950.00	156.81	153.16	-90.59	-3,999.95	-6,225.40	3,951.40	3,641.78	309.63	12.762		
13,400.00	7,950.00	13,418.76	7,950.00	159.47	155.80	-90.59	-4,000.00	-6,325.40	3,951.44	3,636.51	314.93	12.547		
13,500.00	7,950.00	13,518.76	7,950.00	162.13	158.44	-90.59	-4,000.05	-6,425.40	3,951.48	3,631.25	320.23	12.340		
13,600.00	7,950.00	13,618.76	7,950.00	164.79	161.08	-90.59	-4,000.10	-6,525.40	3,951.51	3,625.98	325.53	12.139		
13,700.00	7,950.00	13,718.76	7,950.00	167.45	163.72	-90.59	-4,000.15	-6,625.40	3,951.55	3,620.71	330.84	11.944		
13,800.00	7,950.00	13,818.76	7,950.00	170.11	166.36	-90.59	-4,000.20	-6,725.40	3,951.58	3,615.44	336.15	11.756		
13,900.00	7,950.00	13,918.76	7,950.00	172.77	169.00	-90.59	-4,000.25	-6,825.40	3,951.62	3,610.16	341.46	11.573		
14,000.00	7,950.00	14,018.76	7,950.00	175.44	171.65	-90.59	-4,000.30	-6,925.40	3,951.66	3,604.89	346.77	11.396		
14,100.00	7,950.00	14,118.76	7,950.00	178.10	174.30	-90.59	-4,000.35	-7,025.40	3,951.69	3,599.61	352.09	11.224		
14,200.00	7,950.00	14,218.76	7,950.00	180.77	176.94	-90.59	-4,000.41	-7,125.40	3,951.73	3,594.33	357.41	11.057		
14,300.00	7,950.00	14,318.76	7,950.00	183.43	179.59	-90.59	-4,000.46	-7,225.40	3,951.77	3,589.04	362.73	10.895		
14,400.00	7,950.00	14,418.76	7,950.00	186.10	182.24	-90.59	-4,000.51	-7,325.40	3,951.80	3,583.76	368.05	10.737		
14,500.00	7,950.00	14,518.76	7,950.00	188.77	184.90	-90.59	-4,000.56	-7,425.40	3,951.84	3,578.47	373.37	10.584		
14,600.00	7,950.00	14,618.76	7,950.00	191.43	187.55	-90.59	-4,000.61	-7,525.40	3,951.88	3,573.18	378.69	10.436		
14,700.00	7,950.00	14,718.76	7,950.00	194.10	190.20	-90.59	-4,000.66	-7,625.40	3,951.91	3,567.89	384.02	10.291		
14,800.00	7,950.00	14,818.76	7,950.00	196.77	192.86	-90.59	-4,000.71	-7,725.40	3,951.95	3,562.60	389.35	10.150		
14,900.00	7,950.00	14,918.76	7,950.00	199.44	195.51	-90.59	-4,000.76	-7,825.40	3,951.99	3,557.31	394.68	10.013		
15,000.00	7,950.00	15,018.76	7,950.00	202.11	198.17	-90.59	-4,000.81	-7,925.40	3,952.02	3,552.01	400.01	9.880		
15,100.00	7,950.00	15,118.76	7,950.00	204.78	200.83	-90.59	-4,000.86	-8,025.40	3,952.06	3,546.72	405.34	9.750		
15,200.00	7,950.00	15,218.76	7,950.00	207.45	203.49	-90.59	-4,000.92	-8,125.40	3,952.10	3,541.42	410.68	9.623		
15,300.00	7,950.00	15,318.76	7,950.00	210.13	206.15	-90.59	-4,000.97	-8,225.40	3,952.13	3,536.12	416.01	9.500		
15,400.00	7,950.00	15,418.76	7,950.00	212.80	208.81	-90.59	-4,001.02	-8,325.40	3,952.17	3,530.82	421.35	9.380		
15,500.00	7,950.00	15,518.76	7,950.00	215.47	211.47	-90.59	-4,001.07	-8,425.40	3,952.21	3,525.52	426.68	9.263		
15,600.00	7,950.00	15,618.76	7,950.00	218.15	214.13	-90.59	-4,001.12	-8,525.40	3,952.24	3,520.22	432.02	9.148		
15,700.00	7,950.00	15,718.76	7,950.00	220.82	216.79	-90.59	-4,001.17	-8,625.40	3,952.28	3,514.92	437.36	9.037		
15,800.00	7,950.00	15,818.76	7,950.00	223.49	219.46	-90.59	-4,001.22	-8,725.40	3,952.32	3,509.61	442.70	8.928		
15,900.00	7,950.00	15,918.76	7,950.00	226.17	222.12	-90.59	-4,001.27	-8,825.40	3,952.35	3,504.31	448.04	8.821		
16,000.00	7,950.00	16,018.76	7,950.00	228.84	224.79	-90.59	-4,001.32	-8,925.40	3,952.39	3,499.00	453.38	8.718		
16,100.00	7,950.00	16,118.76	7,950.00	231.52	227.45	-90.59	-4,001.37	-9,025.40	3,952.43	3,493.70	458.73	8.616		
16,200.00	7,950.00	16,218.76	7,950.00	234.20	230.12	-90.59	-4,001.42	-9,125.40	3,952.46	3,488.39	464.07	8.517		

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

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	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		
16,300.00	7,950.00	16,318.76	7,950.00	236.87	232.78	-90.59	-4,001.48	-9,225.40	3,952.50	3,483.08	469.42	8.420		
16,400.00	7,950.00	16,418.76	7,950.00	239.55	235.45	-90.59	-4,001.53	-9,325.40	3,952.54	3,477.77	474.76	8.325		
16,500.00	7,950.00	16,518.76	7,950.00	242.22	238.12	-90.59	-4,001.58	-9,425.40	3,952.57	3,472.46	480.11	8.233		
16,600.00	7,950.00	16,618.76	7,950.00	244.90	240.79	-90.59	-4,001.63	-9,525.40	3,952.61	3,467.15	485.46	8.142		
16,700.00	7,950.00	16,718.76	7,950.00	247.58	243.45	-90.59	-4,001.68	-9,625.40	3,952.64	3,461.84	490.81	8.053		
16,800.00	7,950.00	16,818.76	7,950.00	250.26	246.12	-90.59	-4,001.73	-9,725.40	3,952.68	3,456.53	496.15	7.967		
16,900.00	7,950.00	16,918.76	7,950.00	252.94	248.79	-90.59	-4,001.78	-9,825.40	3,952.72	3,451.21	501.50	7.882		
17,000.00	7,950.00	17,018.76	7,950.00	255.61	251.46	-90.59	-4,001.83	-9,925.40	3,952.75	3,445.90	506.85	7.799		
17,100.00	7,950.00	17,118.76	7,950.00	258.29	254.13	-90.59	-4,001.88	-10,025.40	3,952.79	3,440.59	512.20	7.717		
17,200.00	7,950.00	17,218.76	7,950.00	260.97	256.80	-90.59	-4,001.93	-10,125.40	3,952.83	3,435.27	517.56	7.637		
17,300.00	7,950.00	17,318.76	7,950.00	263.65	259.48	-90.59	-4,001.99	-10,225.40	3,952.86	3,429.96	522.91	7.559		
17,400.00	7,950.00	17,418.76	7,950.00	266.33	262.15	-90.59	-4,002.04	-10,325.40	3,952.90	3,424.64	528.26	7.483		
17,500.00	7,950.00	17,518.76	7,950.00	269.01	264.82	-90.59	-4,002.09	-10,425.40	3,952.94	3,419.32	533.62	7.408		
17,600.00	7,950.00	17,618.76	7,950.00	271.69	267.49	-90.59	-4,002.14	-10,525.40	3,952.97	3,414.00	538.97	7.334		
17,700.00	7,950.00	17,718.76	7,950.00	274.37	270.16	-90.59	-4,002.19	-10,625.40	3,953.01	3,408.69	544.32	7.262		
17,800.00	7,950.00	17,818.76	7,950.00	277.05	272.84	-90.59	-4,002.24	-10,725.40	3,953.05	3,403.37	549.68	7.192		
17,900.00	7,950.00	17,918.76	7,950.00	279.73	275.51	-90.59	-4,002.29	-10,825.40	3,953.08	3,398.05	555.03	7.122		
18,000.00	7,950.00	18,018.76	7,950.00	282.41	278.18	-90.59	-4,002.34	-10,925.40	3,953.12	3,392.73	560.39	7.054		
18,100.00	7,950.00	18,118.76	7,950.00	285.09	280.86	-90.59	-4,002.39	-11,025.40	3,953.16	3,387.41	565.75	6.987		
18,200.00	7,950.00	18,218.76	7,950.00	287.77	283.53	-90.59	-4,002.44	-11,125.40	3,953.19	3,382.09	571.10	6.922		
18,300.00	7,950.00	18,318.76	7,950.00	290.45	286.21	-90.59	-4,002.50	-11,225.40	3,953.23	3,376.77	576.46	6.858		
18,400.00	7,950.00	18,418.76	7,950.00	293.14	288.88	-90.59	-4,002.55	-11,325.40	3,953.27	3,371.45	581.82	6.795		
18,500.00	7,950.00	18,518.76	7,950.00	295.82	291.56	-90.59	-4,002.60	-11,425.40	3,953.30	3,366.12	587.18	6.733		
18,600.00	7,950.00	18,618.76	7,950.00	298.50	294.23	-90.59	-4,002.65	-11,525.40	3,953.34	3,360.80	592.54	6.672		
18,700.00	7,950.00	18,718.76	7,950.00	301.18	296.91	-90.59	-4,002.70	-11,625.40	3,953.38	3,355.48	597.90	6.612		
18,800.00	7,950.00	18,818.76	7,950.00	303.86	299.59	-90.59	-4,002.75	-11,725.40	3,953.41	3,350.16	603.26	6.553		
18,900.00	7,950.00	18,918.76	7,950.00	306.55	302.26	-90.59	-4,002.80	-11,825.40	3,953.45	3,344.83	608.62	6.496		
19,000.00	7,950.00	19,018.76	7,950.00	309.23	304.94	-90.59	-4,002.85	-11,925.40	3,953.49	3,339.51	613.98	6.439		
19,100.00	7,950.00	19,118.76	7,950.00	311.91	307.62	-90.59	-4,002.90	-12,025.40	3,953.52	3,334.18	619.34	6.383		
19,200.00	7,950.00	19,218.76	7,950.00	314.59	310.29	-90.59	-4,002.95	-12,125.40	3,953.56	3,328.86	624.70	6.329		
19,300.00	7,950.00	19,318.76	7,950.00	317.28	312.97	-90.59	-4,003.01	-12,225.40	3,953.60	3,323.53	630.06	6.275		
19,400.00	7,950.00	19,418.76	7,950.00	319.96	315.65	-90.59	-4,003.06	-12,325.40	3,953.63	3,318.21	635.42	6.222		
19,500.00	7,950.00	19,518.76	7,950.00	322.64	318.33	-90.59	-4,003.11	-12,425.40	3,953.67	3,312.88	640.78	6.170		
19,600.00	7,950.00	19,618.76	7,950.00	325.33	321.01	-90.59	-4,003.16	-12,525.40	3,953.70	3,307.56	646.15	6.119		
19,700.00	7,950.00	19,718.76	7,950.00	328.01	323.68	-90.59	-4,003.21	-12,625.40	3,953.74	3,302.23	651.51	6.069		
19,800.00	7,950.00	19,818.76	7,950.00	330.69	326.36	-90.59	-4,003.26	-12,725.40	3,953.78	3,296.90	656.87	6.019		
19,900.00	7,950.00	19,918.76	7,950.00	333.38	329.04	-90.59	-4,003.31	-12,825.40	3,953.81	3,291.58	662.24	5.970		
20,000.00	7,950.00	20,018.76	7,950.00	336.06	331.72	-90.59	-4,003.36	-12,925.40	3,953.85	3,286.25	667.60	5.922		
20,100.00	7,950.00	20,118.76	7,950.00	338.74	334.40	-90.59	-4,003.41	-13,025.40	3,953.89	3,280.92	672.96	5.875		
20,200.00	7,950.00	20,218.76	7,950.00	341.43	337.08	-90.59	-4,003.46	-13,125.40	3,953.92	3,275.60	678.33	5.829		
20,300.00	7,950.00	20,318.76	7,950.00	344.11	339.76	-90.59	-4,003.52	-13,225.40	3,953.96	3,270.27	683.69	5.783		
20,400.00	7,950.00	20,418.76	7,950.00	346.80	342.44	-90.59	-4,003.57	-13,325.40	3,954.00	3,264.94	689.06	5.738		
20,500.00	7,950.00	20,518.76	7,950.00	349.48	345.12	-90.59	-4,003.62	-13,425.40	3,954.03	3,259.61	694.42	5.694		
20,600.00	7,950.00	20,618.76	7,950.00	352.17	347.80	-90.59	-4,003.67	-13,525.40	3,954.07	3,254.28	699.79	5.650		
20,700.00	7,950.00	20,718.76	7,950.00	354.85	350.48	-90.59	-4,003.72	-13,625.40	3,954.11	3,248.95	705.15	5.607		
20,800.00	7,950.00	20,818.76	7,950.00	357.54	353.16	-90.59	-4,003.77	-13,725.40	3,954.14	3,243.62	710.52	5.565		
20,900.00	7,950.00	20,918.76	7,950.00	360.22	355.84	-90.59	-4,003.82	-13,825.40	3,954.18	3,238.29	715.89	5.523		
21,000.00	7,950.00	21,018.76	7,950.00	362.91	358.52	-90.59	-4,003.87	-13,925.40	3,954.22	3,232.96	721.25	5.482		
21,100.00	7,950.00	21,118.76	7,950.00	365.59	361.20	-90.59	-4,003.92	-14,025.40	3,954.25	3,227.63	726.62	5.442		
21,200.00	7,950.00	21,218.76	7,950.00	368.28	363.88	-90.59	-4,003.97	-14,125.40	3,954.29	3,222.30	731.99	5.402		
21,300.00	7,950.00	21,318.76	7,950.00	370.96	366.56	-90.59	-4,004.02	-14,225.40	3,954.33	3,216.97	737.35	5.363		
21,400.00	7,950.00	21,418.76	7,950.00	373.65	369.24	-90.59	-4,004.08	-14,325.40	3,954.36	3,211.64	742.72	5.324		

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

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SEC 21-T4S-R65W - GRANDE 4-65 20-19 4CH - OWB - PROPOSAL 1												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 29-MWD OWSG, 2150-MWD OWSG												<b>Offset Well Error:</b>	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	
21,500.00	7,950.00	21,518.76	7,950.00	376.33	371.92	-90.59	-4,004.13	-14,425.40	3,954.40	3,206.31	748.09	5.286	
21,600.00	7,950.00	21,618.76	7,950.00	379.02	374.61	-90.59	-4,004.18	-14,525.40	3,954.44	3,200.98	753.46	5.248	
21,700.00	7,950.00	21,718.76	7,950.00	381.70	377.29	-90.59	-4,004.23	-14,625.40	3,954.47	3,195.65	758.82	5.211	
21,800.00	7,950.00	21,818.76	7,950.00	384.39	379.97	-90.59	-4,004.28	-14,725.40	3,954.51	3,190.32	764.19	5.175	
21,900.00	7,950.00	21,918.76	7,950.00	387.07	382.65	-90.59	-4,004.33	-14,825.40	3,954.55	3,184.98	769.56	5.139	
22,000.00	7,950.00	22,018.76	7,950.00	389.76	385.33	-90.59	-4,004.38	-14,925.40	3,954.58	3,179.65	774.93	5.103	
22,100.00	7,950.00	22,118.76	7,950.00	392.44	388.02	-90.59	-4,004.43	-15,025.40	3,954.62	3,174.32	780.30	5.068	
22,200.00	7,950.00	22,218.76	7,950.00	395.13	390.70	-90.59	-4,004.48	-15,125.40	3,954.66	3,168.99	785.67	5.033	
22,300.00	7,950.00	22,318.76	7,950.00	397.82	393.38	-90.59	-4,004.53	-15,225.40	3,954.69	3,163.66	791.04	4.999	
22,400.00	7,950.00	22,418.76	7,950.00	400.50	396.06	-90.59	-4,004.59	-15,325.40	3,954.73	3,158.32	796.41	4.966	
22,500.00	7,950.00	22,518.76	7,950.00	403.19	398.75	-90.59	-4,004.64	-15,425.40	3,954.76	3,152.99	801.77	4.933	
22,600.00	7,950.00	22,618.76	7,950.00	405.88	401.43	-90.59	-4,004.69	-15,525.40	3,954.80	3,147.66	807.14	4.900	
22,700.00	7,950.00	22,718.76	7,950.00	408.56	404.11	-90.59	-4,004.74	-15,625.40	3,954.84	3,142.32	812.51	4.867	
22,800.00	7,950.00	22,818.76	7,950.00	411.25	406.79	-90.59	-4,004.79	-15,725.40	3,954.87	3,136.99	817.88	4.835	
22,900.00	7,950.00	22,918.76	7,950.00	413.93	409.48	-90.59	-4,004.84	-15,825.40	3,954.91	3,131.66	823.25	4.804	
23,000.00	7,950.00	23,018.76	7,950.00	416.62	412.16	-90.59	-4,004.89	-15,925.40	3,954.95	3,126.32	828.62	4.773	
23,100.00	7,950.00	23,118.76	7,950.00	419.31	414.84	-90.59	-4,004.94	-16,025.40	3,954.98	3,120.99	833.99	4.742	
23,200.00	7,950.00	23,218.76	7,950.00	421.99	417.53	-90.59	-4,004.99	-16,125.40	3,955.02	3,115.66	839.37	4.712	
23,306.83	7,950.00	23,320.57	7,950.00	424.86	420.26	-90.59	-4,005.05	-16,227.21	3,955.06	3,110.08	844.98	4.681 ES, SF	

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

# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Reference Depths are relative to KB 24' @ 5684.20usft

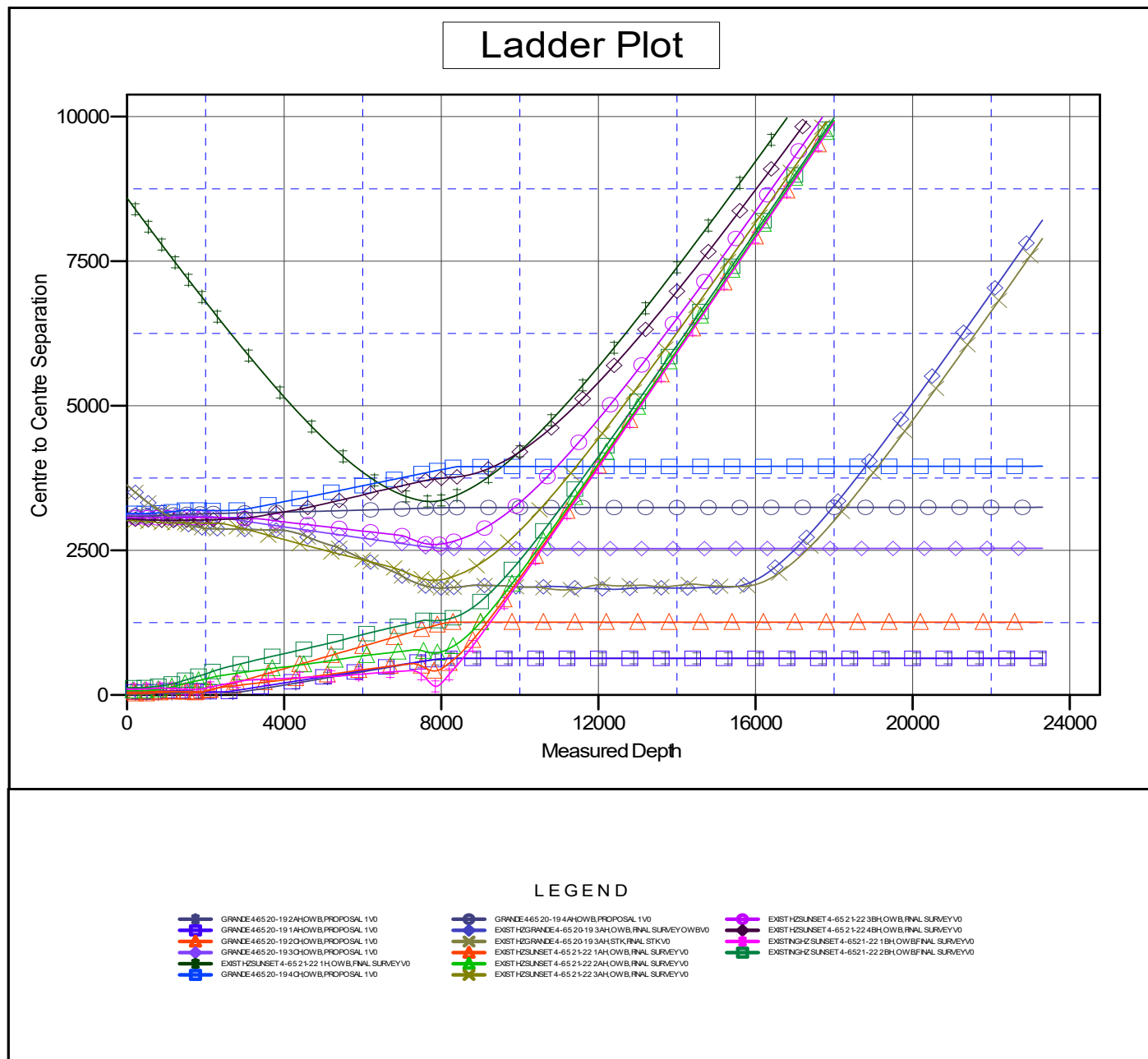
Offset Depths are relative to Offset Datum

Central Meridian is 105.500000°W

Coordinates are relative to: GRANDE 4-65 20-19 1CH

Coordinate System is US State Plane 1983, Colorado Central Zone

Grid Convergence at Surface is: 0.52°



# Anticollision Report

<b>Company:</b>	CIVITAS RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRANDE 4-65 20-19 1CH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 24' @ 5684.20usft
<b>Reference Site:</b>	SEC 21-T4S-R65W	<b>MD Reference:</b>	KB 24' @ 5684.20usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRANDE 4-65 20-19 1CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Reference Depths are relative to KB 24' @ 5684.20usft

Offset Depths are relative to Offset Datum

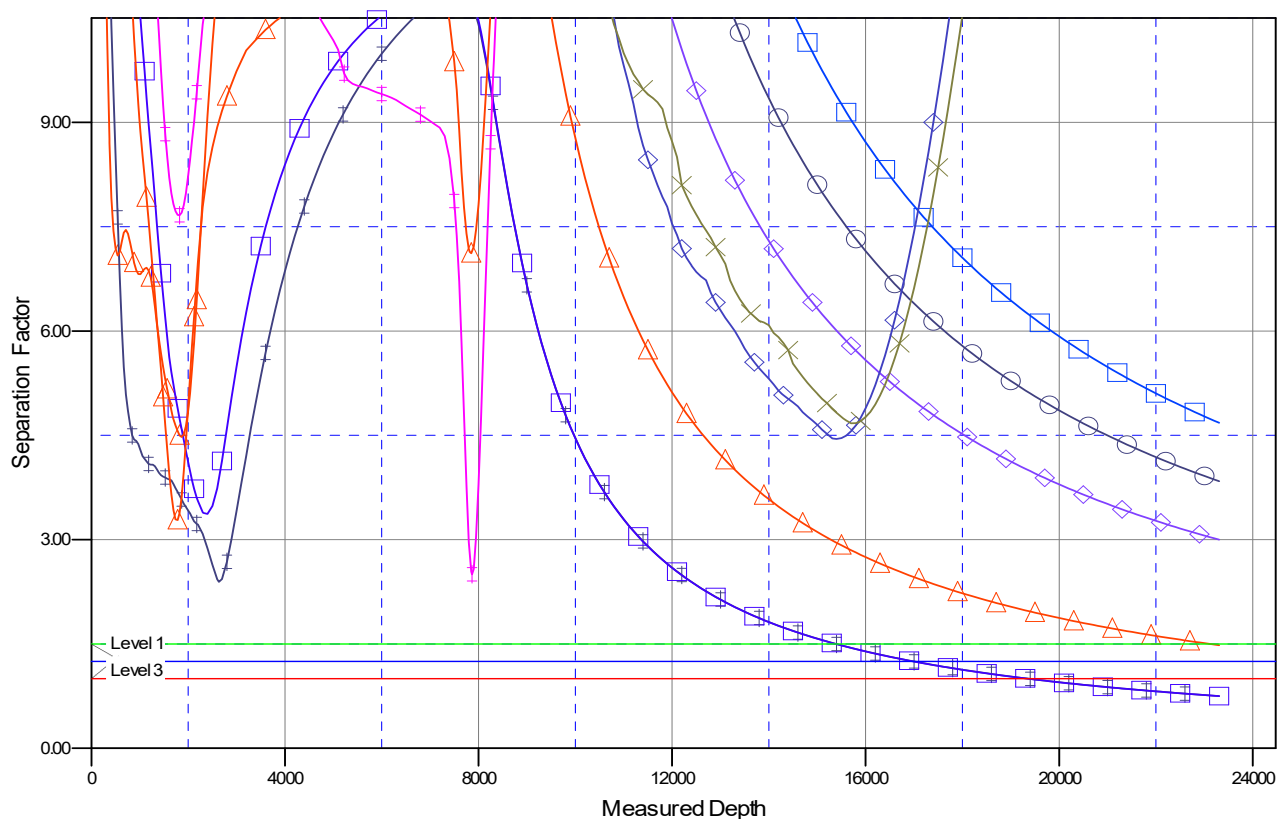
Central Meridian is 105.500000°W

Coordinates are relative to: GRANDE 4-65 20-19 1CH

Coordinate System is US State Plane 1983, Colorado Central Zone

Grid Convergence at Surface is: 0.52°

## Separation Factor Plot



### LEGEND

GRANDE 4-65 20-19 2A HOWB, PROPOSAL 1 V0	GRANDE 4-65 20-19 4A HOWB, PROPOSAL 1 V0	EXIST HZ SUNSET 4-65 21-22 3B HOWB, FINAL SURVEY V0
GRANDE 4-65 20-19 1A HOWB, PROPOSAL 1 V0	EXIST HZ GRANDE 4-65 20-19 3A HOWB, FINAL SURVEY V0	EXIST HZ SUNSET 4-65 21-22 4B HOWB, FINAL SURVEY V0
GRANDE 4-65 20-19 3C HOWB, PROPOSAL 1 V0	EXIST HZ GRANDE 4-65 20-19 3A HSTK, FINAL STK V0	EXIST HZ SUNSET 4-65 21-22 1B HOWB, FINAL SURVEY V0
EXIST HZ SUNSET 4-65 21-22 1H OWB, FINAL SURVEY V0	EXIST HZ SUNSET 4-65 21-22 1A HOWB, FINAL SURVEY V0	EXIST HZ SUNSET 4-65 21-22 2A HOWB, FINAL SURVEY V0
GRANDE 4-65 20-19 4C HOWB, PROPOSAL 1 V0	EXIST HZ SUNSET 4-65 21-22 3A HOWB, FINAL SURVEY V0	EXIST HZ SUNSET 4-65 21-22 2B HOWB, FINAL SURVEY V0