

CIVITAS RESOURCES

ARAPAHOE COUNTY

SEC 21-T4S-R65W

GRANDE 4-65 20-19 4AH

OWB

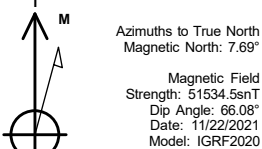
Plan: PROPOSAL 1

Standard Planning Report

24 November, 2021



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



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

5619.10					
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	1675693.82	3231647.18	39.685698°N	104.676910°W

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	2150.46	1.01	203.89	2148.89	-37.99	-56.44	0.00	0.00	56.98	
2	2205.46	1.01	203.89	2203.89	-38.87	-56.83	0.00	0.00	57.38	
3	2340.72	3.48	238.41	2339.03	-42.11	-60.81	2.00	46.72	61.40	
4	7342.81	3.48	238.41	7331.92	-200.99	-319.16	0.00	0.00	321.99	
5	8213.19	90.00	269.97	7875.00	-218.54	-891.34	10.00	31.61	894.36	GRANDE 4-65 4AH-LP
6	23186.11	90.00	269.97	7875.00	-226.02	-15864.26	0.00	0.00	15865.87	GRANDE 4-65 4AH-PBHL

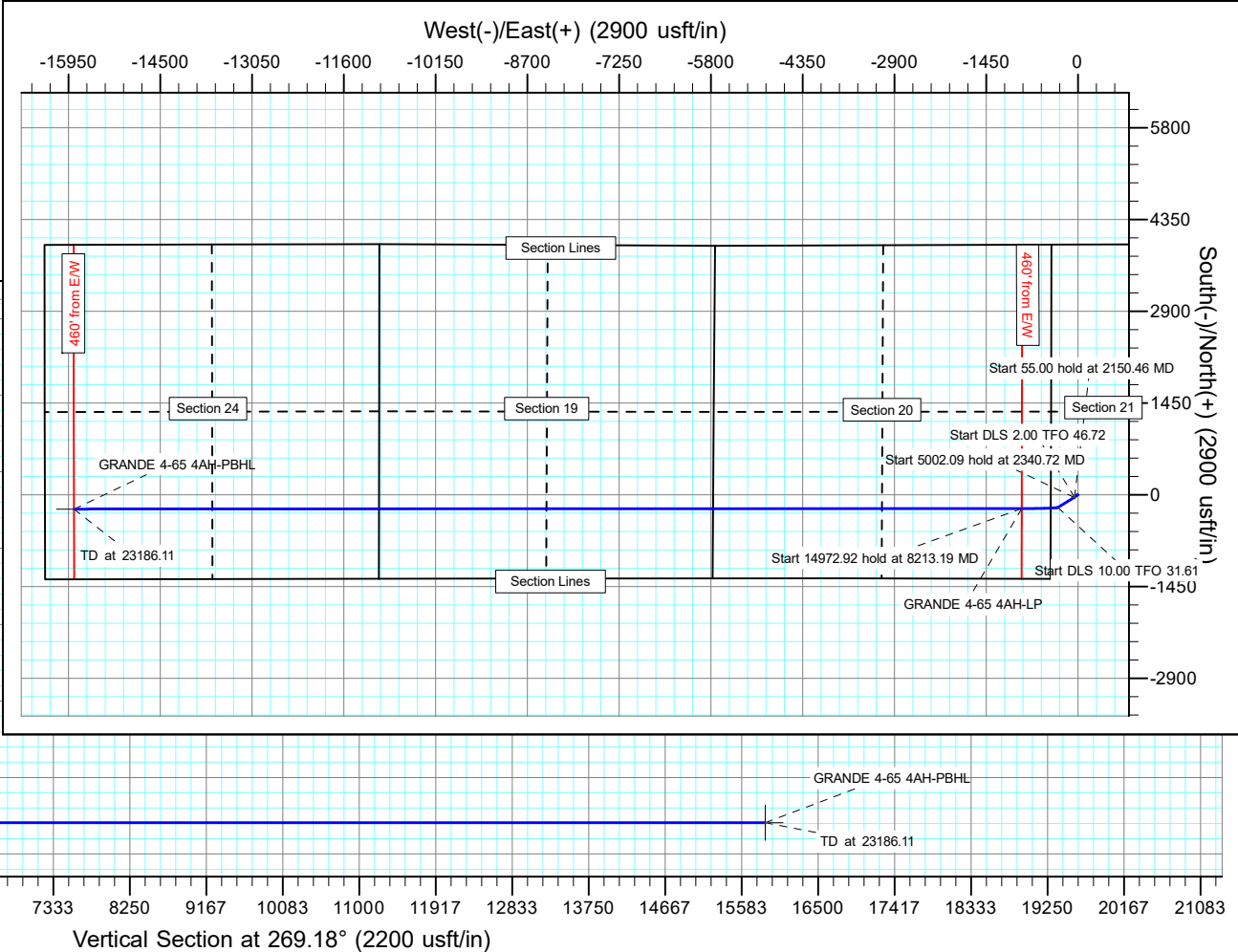
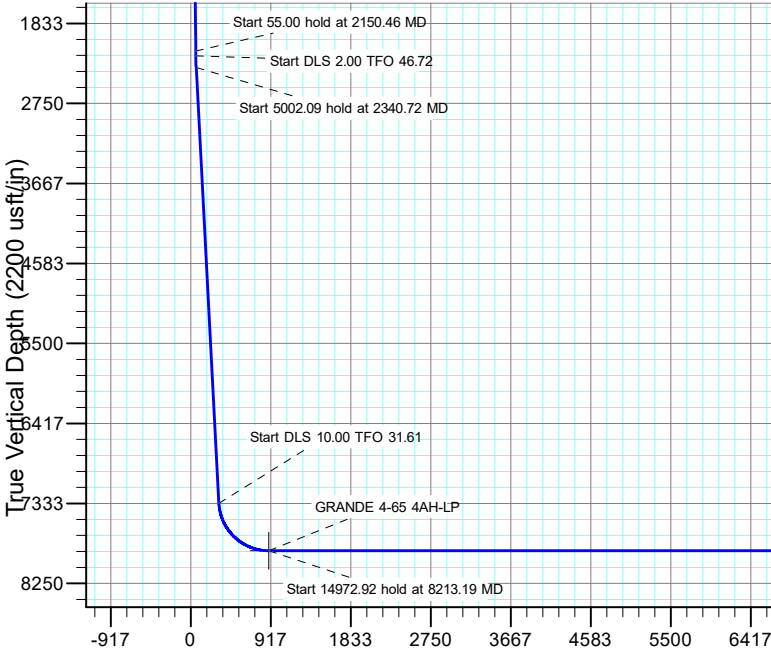
ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	VSect	Departure	Annotation
2150.46	1.01	203.89	2148.89	-37.99	-56.44	56.98	0.00	Start 55.00 hold at 2150.46 MD
2205.46	1.01	203.89	2203.89	-38.87	-56.83	57.38	0.97	Start DLS 2.00 TFO 46.72
2340.72	3.48	238.41	2339.03	-42.11	-60.81	61.40	6.21	Start 5002.09 hold at 2340.72 MD
7342.81	3.48	238.41	7331.92	-200.99	-319.16	321.99	309.50	Start DLS 10.00 TFO 31.61
8213.19	90.00	269.97	7875.00	-218.54	-891.34	894.36	882.48	Start 14972.92 hold at 8213.19 MD
23186.11	90.00	269.97	7875.00	-226.02	-15864.26	15865.87	15855.40	TD at 23186.11

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:
1332' FSL, 431' FWL
SEC 21-T4S-R65W
LP:
1110' FSL, 460' FEL
SEC 20-T4S-R65W
BHL:
1110' FSL, 460' FWL
SEC 24-T4S-R66W



Vertical Section at 269.18° (2200 usft/in)

Planning Report

Database:	EDT_32Bit_ODBC	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Company:	CIVITAS RESOURCES	TVD Reference:	KB 24' @ 5643.10usft
Project:	ARAPAHOE COUNTY	MD Reference:	KB 24' @ 5643.10usft
Site:	SEC 21-T4S-R65W	North Reference:	True
Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PROPOSAL 1		

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

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

Well	GRANDE 4-65 20-19 4AH					
Well Position	+N/-S	-1,312.09 usft	Northing:	1,675,693.81 usft	Latitude:	39.685698°N
	+E/-W	428.07 usft	Easting:	3,231,647.18 usft	Longitude:	104.676910°W
Position Uncertainty		0.00 usft	Wellhead Elevation:		Ground Level:	5,619.10 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	11/22/2021	7.69	66.08	51,534.52999735

Design	PROPOSAL 1				
Audit Notes:					
Version:	Phase:	PROTOTYPE	Tie On Depth:	2,150.46	
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	269.18	

Plan Survey Tool Program	Date	11/24/2021			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	29.38	2,150.46	SURFACE SURVEY (OWB)	MWD OWSG	
				OWSG MWD - Standard	
2	2,150.46	23,186.11	PROPOSAL 1 (OWB)	MWD OWSG	
				OWSG MWD - Standard	

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
2,150.46	1.01	203.89	2,148.89	-37.99	-56.44	0.00	0.00	0.00	0.00	
2,205.46	1.01	203.89	2,203.89	-38.87	-56.83	0.00	0.00	0.00	0.00	
2,340.72	3.48	238.41	2,339.03	-42.11	-60.81	2.00	1.82	25.52	46.72	
7,342.81	3.48	238.41	7,331.92	-200.99	-319.16	0.00	0.00	0.00	0.00	
8,213.19	90.00	269.97	7,875.00	-218.54	-891.34	10.00	9.94	3.63	31.61	GRANDE 4-65 4AH-L
23,186.11	90.00	269.97	7,875.00	-226.02	-15,864.26	0.00	0.00	0.00	0.00	GRANDE 4-65 4AH-F

Planning Report

Database:	EDT_32Bit_ODBC	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Company:	CIVITAS RESOURCES	TVD Reference:	KB 24' @ 5643.10usft
Project:	ARAPAHOE COUNTY	MD Reference:	KB 24' @ 5643.10usft
Site:	SEC 21-T4S-R65W	North Reference:	True
Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PROPOSAL 1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29.38	0.25	235.27	29.38	-0.04	-0.05	0.05	0.85	0.85	0.00
59.94	0.20	257.24	59.94	-0.09	-0.16	0.16	0.32	-0.16	71.89
90.50	0.46	225.92	90.50	-0.18	-0.30	0.30	1.01	0.85	-102.49
121.06	0.75	223.11	121.06	-0.41	-0.52	0.53	0.95	0.95	-9.20
151.62	0.73	257.41	151.62	-0.60	-0.85	0.86	1.43	-0.07	112.24
212.74	0.68	237.09	212.73	-0.89	-1.54	1.55	0.41	-0.08	-33.25
273.86	1.03	253.44	273.84	-1.24	-2.37	2.38	0.69	0.57	26.75
316.51	1.34	250.08	316.48	-1.52	-3.20	3.22	0.74	0.73	-7.88
359.16	1.89	245.80	359.12	-1.98	-4.31	4.34	1.32	1.29	-10.04
401.81	2.49	242.35	401.74	-2.69	-5.78	5.81	1.44	1.41	-8.09
444.46	2.98	246.43	444.34	-3.57	-7.61	7.66	1.24	1.15	9.57
487.11	3.42	246.46	486.92	-4.52	-9.79	9.86	1.03	1.03	0.07
529.76	3.80	247.88	529.49	-5.56	-12.27	12.35	0.92	0.89	3.33
572.41	3.83	247.21	572.04	-6.64	-14.89	14.99	0.13	0.07	-1.57
615.06	4.00	250.23	614.59	-7.70	-17.61	17.71	0.63	0.40	7.08
657.71	4.29	250.59	657.13	-8.73	-20.51	20.63	0.68	0.68	0.84
700.36	3.76	247.20	699.68	-9.80	-23.30	23.44	1.36	-1.24	-7.95
743.01	3.75	246.25	742.23	-10.91	-25.87	26.02	0.15	-0.02	-2.23
785.66	4.25	241.81	784.78	-12.22	-28.54	28.71	1.38	1.17	-10.41
828.31	4.25	240.67	827.31	-13.74	-31.31	31.50	0.20	0.00	-2.67
870.96	2.92	240.41	869.88	-15.05	-33.63	33.84	3.12	-3.12	-0.61
913.61	2.48	233.81	912.48	-16.13	-35.32	35.55	1.26	-1.03	-15.47
956.26	2.70	231.43	955.09	-17.30	-36.85	37.09	0.57	0.52	-5.58
998.91	2.64	231.15	997.69	-18.54	-38.40	38.66	0.14	-0.14	-0.66
1,041.56	1.99	230.96	1,040.31	-19.62	-39.74	40.02	1.52	-1.52	-0.45
1,084.21	1.61	227.80	1,082.93	-20.49	-40.76	41.05	0.92	-0.89	-7.41
1,126.86	1.83	231.75	1,125.57	-21.32	-41.74	42.04	0.59	0.52	9.26
1,169.51	1.94	227.54	1,168.19	-22.23	-42.81	43.12	0.41	0.26	-9.87
1,212.16	1.76	219.63	1,210.82	-23.22	-43.76	44.08	0.73	-0.42	-18.55
1,254.81	1.56	207.54	1,253.45	-24.24	-44.44	44.78	0.94	-0.47	-28.35
1,297.46	1.39	208.84	1,296.09	-25.20	-44.96	45.32	0.41	-0.40	3.05
1,340.11	1.56	204.40	1,338.72	-26.19	-45.45	45.82	0.48	0.40	-10.41
1,382.76	1.71	216.67	1,381.36	-27.23	-46.07	46.45	0.89	0.35	28.77
1,425.41	1.62	231.75	1,423.99	-28.11	-46.92	47.32	1.05	-0.21	35.36
1,468.06	1.97	237.01	1,466.62	-28.88	-48.01	48.42	0.91	0.82	12.33
1,510.71	1.92	233.33	1,509.24	-29.71	-49.20	49.62	0.32	-0.12	-8.63
1,553.36	1.10	214.14	1,551.88	-30.47	-50.00	50.43	2.23	-1.92	-44.99
1,596.01	1.16	217.96	1,594.52	-31.15	-50.50	50.94	0.23	0.14	8.96
1,638.66	0.78	225.01	1,637.16	-31.70	-50.97	51.42	0.93	-0.89	16.53
1,681.31	0.78	208.50	1,679.81	-32.16	-51.31	51.77	0.53	0.00	-38.71
1,723.96	1.12	219.46	1,722.45	-32.74	-51.72	52.18	0.90	0.80	25.70
1,766.61	0.89	215.09	1,765.10	-33.33	-52.17	52.64	0.57	-0.54	-10.25
1,809.26	0.87	217.30	1,807.74	-33.86	-52.56	53.04	0.09	-0.05	5.18
1,851.91	1.22	228.82	1,850.39	-34.41	-53.10	53.58	0.95	0.82	27.01
1,894.56	0.99	231.38	1,893.03	-34.94	-53.73	54.22	0.55	-0.54	6.00
1,937.21	0.90	232.51	1,935.67	-35.38	-54.28	54.78	0.22	-0.21	2.65
1,979.86	0.82	233.34	1,978.32	-35.76	-54.79	55.29	0.19	-0.19	1.95
2,022.51	0.96	221.87	2,020.96	-36.21	-55.27	55.78	0.53	0.33	-26.89
2,065.16	0.94	223.86	2,063.61	-36.73	-55.76	56.27	0.09	-0.05	4.67
2,107.81	0.97	203.77	2,106.25	-37.31	-56.14	56.67	0.78	0.07	-47.10
2,150.46	1.01	203.89	2,148.89	-37.99	-56.44	56.98	0.09	0.09	0.28
Start 55.00 hold at 2150.46 MD									
2,205.46	1.01	203.89	2,203.89	-38.87	-56.83	57.38	0.00	0.00	0.00

Planning Report

Database:	EDT_32Bit_ODBC	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Company:	CIVITAS RESOURCES	TVD Reference:	KB 24' @ 5643.10usft
Project:	ARAPAHOE COUNTY	MD Reference:	KB 24' @ 5643.10usft
Site:	SEC 21-T4S-R65W	North Reference:	True
Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PROPOSAL 1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
Start DLS 2.00 TFO 46.72									
2,300.00	2.69	234.73	2,298.37	-40.91	-58.98	59.56	2.00	1.77	32.62
2,340.72	3.48	238.41	2,339.03	-42.11	-60.81	61.40	2.00	1.94	9.04
Start 5002.09 hold at 2340.72 MD									
2,400.00	3.48	238.41	2,398.21	-43.99	-63.87	64.49	0.00	0.00	0.00
2,500.00	3.48	238.41	2,498.02	-47.17	-69.04	69.70	0.00	0.00	0.00
2,600.00	3.48	238.41	2,597.84	-50.35	-74.20	74.91	0.00	0.00	0.00
2,700.00	3.48	238.41	2,697.65	-53.52	-79.37	80.12	0.00	0.00	0.00
2,800.00	3.48	238.41	2,797.47	-56.70	-84.53	85.33	0.00	0.00	0.00
2,900.00	3.48	238.41	2,897.29	-59.87	-89.70	90.54	0.00	0.00	0.00
3,000.00	3.48	238.41	2,997.10	-63.05	-94.86	95.75	0.00	0.00	0.00
3,100.00	3.48	238.41	3,096.92	-66.23	-100.03	100.96	0.00	0.00	0.00
3,200.00	3.48	238.41	3,196.73	-69.40	-105.19	106.17	0.00	0.00	0.00
3,300.00	3.48	238.41	3,296.55	-72.58	-110.35	111.38	0.00	0.00	0.00
3,400.00	3.48	238.41	3,396.37	-75.76	-115.52	116.59	0.00	0.00	0.00
3,500.00	3.48	238.41	3,496.18	-78.93	-120.68	121.80	0.00	0.00	0.00
3,600.00	3.48	238.41	3,596.00	-82.11	-125.85	127.01	0.00	0.00	0.00
3,700.00	3.48	238.41	3,695.81	-85.28	-131.01	132.22	0.00	0.00	0.00
3,800.00	3.48	238.41	3,795.63	-88.46	-136.18	137.42	0.00	0.00	0.00
3,900.00	3.48	238.41	3,895.45	-91.64	-141.34	142.63	0.00	0.00	0.00
4,000.00	3.48	238.41	3,995.26	-94.81	-146.51	147.84	0.00	0.00	0.00
4,100.00	3.48	238.41	4,095.08	-97.99	-151.67	153.05	0.00	0.00	0.00
4,200.00	3.48	238.41	4,194.89	-101.17	-156.84	158.26	0.00	0.00	0.00
4,300.00	3.48	238.41	4,294.71	-104.34	-162.00	163.47	0.00	0.00	0.00
4,400.00	3.48	238.41	4,394.53	-107.52	-167.17	168.68	0.00	0.00	0.00
4,500.00	3.48	238.41	4,494.34	-110.69	-172.33	173.89	0.00	0.00	0.00
4,600.00	3.48	238.41	4,594.16	-113.87	-177.50	179.10	0.00	0.00	0.00
4,700.00	3.48	238.41	4,693.97	-117.05	-182.66	184.31	0.00	0.00	0.00
4,800.00	3.48	238.41	4,793.79	-120.22	-187.83	189.52	0.00	0.00	0.00
4,900.00	3.48	238.41	4,893.61	-123.40	-192.99	194.73	0.00	0.00	0.00
5,000.00	3.48	238.41	4,993.42	-126.57	-198.16	199.94	0.00	0.00	0.00
5,100.00	3.48	238.41	5,093.24	-129.75	-203.32	205.15	0.00	0.00	0.00
5,200.00	3.48	238.41	5,193.06	-132.93	-208.48	210.36	0.00	0.00	0.00
5,300.00	3.48	238.41	5,292.87	-136.10	-213.65	215.57	0.00	0.00	0.00
5,400.00	3.48	238.41	5,392.69	-139.28	-218.81	220.78	0.00	0.00	0.00
5,500.00	3.48	238.41	5,492.50	-142.46	-223.98	225.99	0.00	0.00	0.00
5,600.00	3.48	238.41	5,592.32	-145.63	-229.14	231.20	0.00	0.00	0.00
5,700.00	3.48	238.41	5,692.14	-148.81	-234.31	236.40	0.00	0.00	0.00
5,800.00	3.48	238.41	5,791.95	-151.98	-239.47	241.61	0.00	0.00	0.00
5,900.00	3.48	238.41	5,891.77	-155.16	-244.64	246.82	0.00	0.00	0.00
6,000.00	3.48	238.41	5,991.58	-158.34	-249.80	252.03	0.00	0.00	0.00
6,100.00	3.48	238.41	6,091.40	-161.51	-254.97	257.24	0.00	0.00	0.00
6,200.00	3.48	238.41	6,191.22	-164.69	-260.13	262.45	0.00	0.00	0.00
6,300.00	3.48	238.41	6,291.03	-167.87	-265.30	267.66	0.00	0.00	0.00
6,400.00	3.48	238.41	6,390.85	-171.04	-270.46	272.87	0.00	0.00	0.00
6,500.00	3.48	238.41	6,490.66	-174.22	-275.63	278.08	0.00	0.00	0.00
6,600.00	3.48	238.41	6,590.48	-177.39	-280.79	283.29	0.00	0.00	0.00
6,700.00	3.48	238.41	6,690.30	-180.57	-285.96	288.50	0.00	0.00	0.00
6,800.00	3.48	238.41	6,790.11	-183.75	-291.12	293.71	0.00	0.00	0.00
6,900.00	3.48	238.41	6,889.93	-186.92	-296.29	298.92	0.00	0.00	0.00
7,000.00	3.48	238.41	6,989.74	-190.10	-301.45	304.13	0.00	0.00	0.00
7,100.00	3.48	238.41	7,089.56	-193.27	-306.62	309.34	0.00	0.00	0.00
7,200.00	3.48	238.41	7,189.38	-196.45	-311.78	314.55	0.00	0.00	0.00
7,300.00	3.48	238.41	7,289.19	-199.63	-316.94	319.76	0.00	0.00	0.00

Planning Report

Database:	EDT_32Bit_ODBC	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Company:	CIVITAS RESOURCES	TVD Reference:	KB 24' @ 5643.10usft
Project:	ARAPAHOE COUNTY	MD Reference:	KB 24' @ 5643.10usft
Site:	SEC 21-T4S-R65W	North Reference:	True
Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PROPOSAL 1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
7,342.81	3.48	238.41	7,331.92	-200.99	-319.16	321.99	0.00	0.00	0.00
Start DLS 10.00 TFO 31.61									
7,350.00	4.11	243.68	7,339.10	-201.22	-319.57	322.41	10.00	8.76	73.30
7,400.00	8.87	258.21	7,388.77	-202.80	-324.95	327.81	10.00	9.52	29.06
7,450.00	13.80	262.53	7,437.78	-204.36	-334.64	337.52	10.00	9.86	8.64
7,500.00	18.77	264.60	7,485.76	-205.89	-348.57	351.47	10.00	9.93	4.14
7,550.00	23.75	265.83	7,532.34	-207.38	-366.63	369.55	10.00	9.96	2.45
7,600.00	28.73	266.65	7,577.17	-208.82	-388.68	391.62	10.00	9.97	1.64
7,650.00	33.72	267.24	7,619.91	-210.19	-414.56	417.52	10.00	9.98	1.19
7,700.00	38.72	267.70	7,660.24	-211.49	-444.07	447.04	10.00	9.99	0.91
7,750.00	43.71	268.07	7,697.84	-212.70	-476.98	479.96	10.00	9.99	0.73
7,800.00	48.71	268.37	7,732.43	-213.82	-513.04	516.04	10.00	9.99	0.61
7,850.00	53.70	268.63	7,763.75	-214.83	-551.99	554.99	10.00	9.99	0.52
7,900.00	58.70	268.86	7,791.55	-215.74	-593.51	596.53	10.00	9.99	0.46
7,950.00	63.70	269.07	7,815.64	-216.53	-637.31	640.33	10.00	9.99	0.41
8,000.00	68.69	269.26	7,835.81	-217.19	-683.03	686.06	10.00	9.99	0.38
8,050.00	73.69	269.44	7,851.93	-217.73	-730.35	733.37	10.00	9.99	0.35
8,100.00	78.69	269.61	7,863.86	-218.13	-778.88	781.91	10.00	9.99	0.34
8,150.00	83.68	269.77	7,871.52	-218.40	-828.28	831.30	10.00	9.99	0.33
8,200.00	88.68	269.93	7,874.85	-218.53	-878.15	881.17	10.00	9.99	0.32
8,213.19	90.00	269.97	7,875.00	-218.54	-891.34	894.36	10.00	9.99	0.32
Start 14972.92 hold at 8213.19 MD									
8,300.00	90.00	269.97	7,875.00	-218.58	-978.15	981.16	0.00	0.00	0.00
8,400.00	90.00	269.97	7,875.00	-218.63	-1,078.15	1,081.15	0.00	0.00	0.00
8,500.00	90.00	269.97	7,875.00	-218.68	-1,178.15	1,181.14	0.00	0.00	0.00
8,600.00	90.00	269.97	7,875.00	-218.73	-1,278.15	1,281.13	0.00	0.00	0.00
8,700.00	90.00	269.97	7,875.00	-218.78	-1,378.15	1,381.13	0.00	0.00	0.00
8,800.00	90.00	269.97	7,875.00	-218.83	-1,478.15	1,481.12	0.00	0.00	0.00
8,900.00	90.00	269.97	7,875.00	-218.88	-1,578.15	1,581.11	0.00	0.00	0.00
9,000.00	90.00	269.97	7,875.00	-218.93	-1,678.15	1,681.10	0.00	0.00	0.00
9,100.00	90.00	269.97	7,875.00	-218.98	-1,778.15	1,781.09	0.00	0.00	0.00
9,200.00	90.00	269.97	7,875.00	-219.03	-1,878.15	1,881.08	0.00	0.00	0.00
9,300.00	90.00	269.97	7,875.00	-219.08	-1,978.15	1,981.07	0.00	0.00	0.00
9,400.00	90.00	269.97	7,875.00	-219.13	-2,078.15	2,081.06	0.00	0.00	0.00
9,500.00	90.00	269.97	7,875.00	-219.18	-2,178.15	2,181.05	0.00	0.00	0.00
9,600.00	90.00	269.97	7,875.00	-219.23	-2,278.15	2,281.04	0.00	0.00	0.00
9,700.00	90.00	269.97	7,875.00	-219.28	-2,378.15	2,381.03	0.00	0.00	0.00
9,800.00	90.00	269.97	7,875.00	-219.33	-2,478.15	2,481.02	0.00	0.00	0.00
9,900.00	90.00	269.97	7,875.00	-219.38	-2,578.15	2,581.01	0.00	0.00	0.00
10,000.00	90.00	269.97	7,875.00	-219.43	-2,678.15	2,681.00	0.00	0.00	0.00
10,100.00	90.00	269.97	7,875.00	-219.48	-2,778.15	2,780.99	0.00	0.00	0.00
10,200.00	90.00	269.97	7,875.00	-219.53	-2,878.15	2,880.98	0.00	0.00	0.00
10,300.00	90.00	269.97	7,875.00	-219.58	-2,978.15	2,980.97	0.00	0.00	0.00
10,400.00	90.00	269.97	7,875.00	-219.63	-3,078.15	3,080.96	0.00	0.00	0.00
10,500.00	90.00	269.97	7,875.00	-219.68	-3,178.15	3,180.95	0.00	0.00	0.00
10,600.00	90.00	269.97	7,875.00	-219.73	-3,278.15	3,280.95	0.00	0.00	0.00
10,700.00	90.00	269.97	7,875.00	-219.78	-3,378.15	3,380.94	0.00	0.00	0.00
10,800.00	90.00	269.97	7,875.00	-219.83	-3,478.15	3,480.93	0.00	0.00	0.00
10,900.00	90.00	269.97	7,875.00	-219.88	-3,578.15	3,580.92	0.00	0.00	0.00
11,000.00	90.00	269.97	7,875.00	-219.93	-3,678.15	3,680.91	0.00	0.00	0.00
11,100.00	90.00	269.97	7,875.00	-219.98	-3,778.15	3,780.90	0.00	0.00	0.00
11,200.00	90.00	269.97	7,875.00	-220.03	-3,878.15	3,880.89	0.00	0.00	0.00
11,300.00	90.00	269.97	7,875.00	-220.08	-3,978.15	3,980.88	0.00	0.00	0.00

Planning Report

Database:	EDT_32Bit_ODBC	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Company:	CIVITAS RESOURCES	TVD Reference:	KB 24' @ 5643.10usft
Project:	ARAPAHOE COUNTY	MD Reference:	KB 24' @ 5643.10usft
Site:	SEC 21-T4S-R65W	North Reference:	True
Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PROPOSAL 1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
11,400.00	90.00	269.97	7,875.00	-220.13	-4,078.15	4,080.87	0.00	0.00	0.00
11,500.00	90.00	269.97	7,875.00	-220.18	-4,178.15	4,180.86	0.00	0.00	0.00
11,600.00	90.00	269.97	7,875.00	-220.23	-4,278.15	4,280.85	0.00	0.00	0.00
11,700.00	90.00	269.97	7,875.00	-220.28	-4,378.15	4,380.84	0.00	0.00	0.00
11,800.00	90.00	269.97	7,875.00	-220.33	-4,478.15	4,480.83	0.00	0.00	0.00
11,900.00	90.00	269.97	7,875.00	-220.38	-4,578.15	4,580.82	0.00	0.00	0.00
12,000.00	90.00	269.97	7,875.00	-220.43	-4,678.15	4,680.81	0.00	0.00	0.00
12,100.00	90.00	269.97	7,875.00	-220.48	-4,778.15	4,780.80	0.00	0.00	0.00
12,200.00	90.00	269.97	7,875.00	-220.53	-4,878.15	4,880.79	0.00	0.00	0.00
12,300.00	90.00	269.97	7,875.00	-220.58	-4,978.15	4,980.78	0.00	0.00	0.00
12,400.00	90.00	269.97	7,875.00	-220.63	-5,078.15	5,080.78	0.00	0.00	0.00
12,500.00	90.00	269.97	7,875.00	-220.68	-5,178.15	5,180.77	0.00	0.00	0.00
12,600.00	90.00	269.97	7,875.00	-220.73	-5,278.15	5,280.76	0.00	0.00	0.00
12,700.00	90.00	269.97	7,875.00	-220.78	-5,378.15	5,380.75	0.00	0.00	0.00
12,800.00	90.00	269.97	7,875.00	-220.83	-5,478.15	5,480.74	0.00	0.00	0.00
12,900.00	90.00	269.97	7,875.00	-220.88	-5,578.15	5,580.73	0.00	0.00	0.00
13,000.00	90.00	269.97	7,875.00	-220.93	-5,678.15	5,680.72	0.00	0.00	0.00
13,100.00	90.00	269.97	7,875.00	-220.98	-5,778.15	5,780.71	0.00	0.00	0.00
13,200.00	90.00	269.97	7,875.00	-221.03	-5,878.15	5,880.70	0.00	0.00	0.00
13,300.00	90.00	269.97	7,875.00	-221.08	-5,978.15	5,980.69	0.00	0.00	0.00
13,400.00	90.00	269.97	7,875.00	-221.13	-6,078.15	6,080.68	0.00	0.00	0.00
13,500.00	90.00	269.97	7,875.00	-221.18	-6,178.15	6,180.67	0.00	0.00	0.00
13,600.00	90.00	269.97	7,875.00	-221.23	-6,278.15	6,280.66	0.00	0.00	0.00
13,700.00	90.00	269.97	7,875.00	-221.28	-6,378.15	6,380.65	0.00	0.00	0.00
13,800.00	90.00	269.97	7,875.00	-221.33	-6,478.15	6,480.64	0.00	0.00	0.00
13,900.00	90.00	269.97	7,875.00	-221.38	-6,578.15	6,580.63	0.00	0.00	0.00
14,000.00	90.00	269.97	7,875.00	-221.43	-6,678.15	6,680.62	0.00	0.00	0.00
14,100.00	90.00	269.97	7,875.00	-221.48	-6,778.15	6,780.61	0.00	0.00	0.00
14,200.00	90.00	269.97	7,875.00	-221.53	-6,878.15	6,880.61	0.00	0.00	0.00
14,300.00	90.00	269.97	7,875.00	-221.58	-6,978.15	6,980.60	0.00	0.00	0.00
14,400.00	90.00	269.97	7,875.00	-221.63	-7,078.15	7,080.59	0.00	0.00	0.00
14,500.00	90.00	269.97	7,875.00	-221.68	-7,178.15	7,180.58	0.00	0.00	0.00
14,600.00	90.00	269.97	7,875.00	-221.73	-7,278.15	7,280.57	0.00	0.00	0.00
14,700.00	90.00	269.97	7,875.00	-221.78	-7,378.15	7,380.56	0.00	0.00	0.00
14,800.00	90.00	269.97	7,875.00	-221.83	-7,478.15	7,480.55	0.00	0.00	0.00
14,900.00	90.00	269.97	7,875.00	-221.88	-7,578.15	7,580.54	0.00	0.00	0.00
15,000.00	90.00	269.97	7,875.00	-221.93	-7,678.15	7,680.53	0.00	0.00	0.00
15,100.00	90.00	269.97	7,875.00	-221.98	-7,778.15	7,780.52	0.00	0.00	0.00
15,200.00	90.00	269.97	7,875.00	-222.03	-7,878.15	7,880.51	0.00	0.00	0.00
15,300.00	90.00	269.97	7,875.00	-222.08	-7,978.15	7,980.50	0.00	0.00	0.00
15,400.00	90.00	269.97	7,875.00	-222.13	-8,078.15	8,080.49	0.00	0.00	0.00
15,500.00	90.00	269.97	7,875.00	-222.18	-8,178.15	8,180.48	0.00	0.00	0.00
15,600.00	90.00	269.97	7,875.00	-222.23	-8,278.15	8,280.47	0.00	0.00	0.00
15,700.00	90.00	269.97	7,875.00	-222.28	-8,378.15	8,380.46	0.00	0.00	0.00
15,800.00	90.00	269.97	7,875.00	-222.33	-8,478.15	8,480.45	0.00	0.00	0.00
15,900.00	90.00	269.97	7,875.00	-222.38	-8,578.15	8,580.44	0.00	0.00	0.00
16,000.00	90.00	269.97	7,875.00	-222.43	-8,678.15	8,680.44	0.00	0.00	0.00
16,100.00	90.00	269.97	7,875.00	-222.48	-8,778.15	8,780.43	0.00	0.00	0.00
16,200.00	90.00	269.97	7,875.00	-222.53	-8,878.15	8,880.42	0.00	0.00	0.00
16,300.00	90.00	269.97	7,875.00	-222.58	-8,978.15	8,980.41	0.00	0.00	0.00
16,400.00	90.00	269.97	7,875.00	-222.63	-9,078.15	9,080.40	0.00	0.00	0.00
16,500.00	90.00	269.97	7,875.00	-222.68	-9,178.15	9,180.39	0.00	0.00	0.00
16,600.00	90.00	269.97	7,875.00	-222.73	-9,278.15	9,280.38	0.00	0.00	0.00
16,700.00	90.00	269.97	7,875.00	-222.78	-9,378.15	9,380.37	0.00	0.00	0.00

Planning Report

Database:	EDT_32Bit_ODBC	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Company:	CIVITAS RESOURCES	TVD Reference:	KB 24' @ 5643.10usft
Project:	ARAPAHOE COUNTY	MD Reference:	KB 24' @ 5643.10usft
Site:	SEC 21-T4S-R65W	North Reference:	True
Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PROPOSAL 1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
16,800.00	90.00	269.97	7,875.00	-222.83	-9,478.15	9,480.36	0.00	0.00	0.00
16,900.00	90.00	269.97	7,875.00	-222.88	-9,578.15	9,580.35	0.00	0.00	0.00
17,000.00	90.00	269.97	7,875.00	-222.93	-9,678.15	9,680.34	0.00	0.00	0.00
17,100.00	90.00	269.97	7,875.00	-222.98	-9,778.15	9,780.33	0.00	0.00	0.00
17,200.00	90.00	269.97	7,875.00	-223.03	-9,878.15	9,880.32	0.00	0.00	0.00
17,300.00	90.00	269.97	7,875.00	-223.08	-9,978.15	9,980.31	0.00	0.00	0.00
17,400.00	90.00	269.97	7,875.00	-223.13	-10,078.15	10,080.30	0.00	0.00	0.00
17,500.00	90.00	269.97	7,875.00	-223.18	-10,178.15	10,180.29	0.00	0.00	0.00
17,600.00	90.00	269.97	7,875.00	-223.23	-10,278.15	10,280.28	0.00	0.00	0.00
17,700.00	90.00	269.97	7,875.00	-223.28	-10,378.15	10,380.27	0.00	0.00	0.00
17,800.00	90.00	269.97	7,875.00	-223.33	-10,478.15	10,480.27	0.00	0.00	0.00
17,900.00	90.00	269.97	7,875.00	-223.38	-10,578.15	10,580.26	0.00	0.00	0.00
18,000.00	90.00	269.97	7,875.00	-223.43	-10,678.15	10,680.25	0.00	0.00	0.00
18,100.00	90.00	269.97	7,875.00	-223.48	-10,778.15	10,780.24	0.00	0.00	0.00
18,200.00	90.00	269.97	7,875.00	-223.53	-10,878.15	10,880.23	0.00	0.00	0.00
18,300.00	90.00	269.97	7,875.00	-223.58	-10,978.15	10,980.22	0.00	0.00	0.00
18,400.00	90.00	269.97	7,875.00	-223.63	-11,078.15	11,080.21	0.00	0.00	0.00
18,500.00	90.00	269.97	7,875.00	-223.68	-11,178.15	11,180.20	0.00	0.00	0.00
18,600.00	90.00	269.97	7,875.00	-223.73	-11,278.15	11,280.19	0.00	0.00	0.00
18,700.00	90.00	269.97	7,875.00	-223.78	-11,378.15	11,380.18	0.00	0.00	0.00
18,800.00	90.00	269.97	7,875.00	-223.83	-11,478.15	11,480.17	0.00	0.00	0.00
18,900.00	90.00	269.97	7,875.00	-223.88	-11,578.15	11,580.16	0.00	0.00	0.00
19,000.00	90.00	269.97	7,875.00	-223.93	-11,678.15	11,680.15	0.00	0.00	0.00
19,100.00	90.00	269.97	7,875.00	-223.98	-11,778.15	11,780.14	0.00	0.00	0.00
19,200.00	90.00	269.97	7,875.00	-224.03	-11,878.15	11,880.13	0.00	0.00	0.00
19,300.00	90.00	269.97	7,875.00	-224.08	-11,978.15	11,980.12	0.00	0.00	0.00
19,400.00	90.00	269.97	7,875.00	-224.13	-12,078.15	12,080.11	0.00	0.00	0.00
19,500.00	90.00	269.97	7,875.00	-224.18	-12,178.15	12,180.10	0.00	0.00	0.00
19,600.00	90.00	269.97	7,875.00	-224.23	-12,278.15	12,280.10	0.00	0.00	0.00
19,700.00	90.00	269.97	7,875.00	-224.28	-12,378.15	12,380.09	0.00	0.00	0.00
19,800.00	90.00	269.97	7,875.00	-224.33	-12,478.15	12,480.08	0.00	0.00	0.00
19,900.00	90.00	269.97	7,875.00	-224.38	-12,578.15	12,580.07	0.00	0.00	0.00
20,000.00	90.00	269.97	7,875.00	-224.43	-12,678.15	12,680.06	0.00	0.00	0.00
20,100.00	90.00	269.97	7,875.00	-224.48	-12,778.15	12,780.05	0.00	0.00	0.00
20,200.00	90.00	269.97	7,875.00	-224.53	-12,878.15	12,880.04	0.00	0.00	0.00
20,300.00	90.00	269.97	7,875.00	-224.58	-12,978.15	12,980.03	0.00	0.00	0.00
20,400.00	90.00	269.97	7,875.00	-224.63	-13,078.15	13,080.02	0.00	0.00	0.00
20,500.00	90.00	269.97	7,875.00	-224.68	-13,178.15	13,180.01	0.00	0.00	0.00
20,600.00	90.00	269.97	7,875.00	-224.73	-13,278.15	13,280.00	0.00	0.00	0.00
20,700.00	90.00	269.97	7,875.00	-224.78	-13,378.15	13,379.99	0.00	0.00	0.00
20,800.00	90.00	269.97	7,875.00	-224.83	-13,478.15	13,479.98	0.00	0.00	0.00
20,900.00	90.00	269.97	7,875.00	-224.88	-13,578.15	13,579.97	0.00	0.00	0.00
21,000.00	90.00	269.97	7,875.00	-224.93	-13,678.15	13,679.96	0.00	0.00	0.00
21,100.00	90.00	269.97	7,875.00	-224.98	-13,778.15	13,779.95	0.00	0.00	0.00
21,200.00	90.00	269.97	7,875.00	-225.03	-13,878.15	13,879.94	0.00	0.00	0.00
21,300.00	90.00	269.97	7,875.00	-225.08	-13,978.15	13,979.93	0.00	0.00	0.00
21,400.00	90.00	269.97	7,875.00	-225.13	-14,078.15	14,079.93	0.00	0.00	0.00
21,500.00	90.00	269.97	7,875.00	-225.18	-14,178.15	14,179.92	0.00	0.00	0.00
21,600.00	90.00	269.97	7,875.00	-225.23	-14,278.15	14,279.91	0.00	0.00	0.00
21,700.00	90.00	269.97	7,875.00	-225.28	-14,378.15	14,379.90	0.00	0.00	0.00
21,800.00	90.00	269.97	7,875.00	-225.33	-14,478.15	14,479.89	0.00	0.00	0.00
21,900.00	90.00	269.97	7,875.00	-225.38	-14,578.15	14,579.88	0.00	0.00	0.00
22,000.00	90.00	269.97	7,875.00	-225.43	-14,678.15	14,679.87	0.00	0.00	0.00
22,100.00	90.00	269.97	7,875.00	-225.48	-14,778.15	14,779.86	0.00	0.00	0.00

Planning Report

Database:	EDT_32Bit_ODBC	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Company:	CIVITAS RESOURCES	TVD Reference:	KB 24' @ 5643.10usft
Project:	ARAPAHOE COUNTY	MD Reference:	KB 24' @ 5643.10usft
Site:	SEC 21-T4S-R65W	North Reference:	True
Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PROPOSAL 1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
22,200.00	90.00	269.97	7,875.00	-225.53	-14,878.15	14,879.85	0.00	0.00	0.00	
22,300.00	90.00	269.97	7,875.00	-225.58	-14,978.15	14,979.84	0.00	0.00	0.00	
22,400.00	90.00	269.97	7,875.00	-225.63	-15,078.15	15,079.83	0.00	0.00	0.00	
22,500.00	90.00	269.97	7,875.00	-225.68	-15,178.15	15,179.82	0.00	0.00	0.00	
22,600.00	90.00	269.97	7,875.00	-225.73	-15,278.15	15,279.81	0.00	0.00	0.00	
22,700.00	90.00	269.97	7,875.00	-225.78	-15,378.15	15,379.80	0.00	0.00	0.00	
22,800.00	90.00	269.97	7,875.00	-225.83	-15,478.15	15,479.79	0.00	0.00	0.00	
22,900.00	90.00	269.97	7,875.00	-225.88	-15,578.15	15,579.78	0.00	0.00	0.00	
23,000.00	90.00	269.97	7,875.00	-225.93	-15,678.15	15,679.77	0.00	0.00	0.00	
23,100.00	90.00	269.97	7,875.00	-225.98	-15,778.15	15,779.76	0.00	0.00	0.00	
23,186.11	90.00	269.97	7,875.00	-226.02	-15,864.26	15,865.87	0.00	0.00	0.00	
TD at 23186.11										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
- hit/miss target										
- Shape										
GRANDE 4-65 4AH-LP	0.00	0.00	7,875.00	-218.54	-891.34	1,675,467.21	3,230,757.87	39.685098°N	104.680077°W	
- plan hits target center										
- Point										
GRANDE 4-65 4AH-PB1	0.00	0.00	7,875.00	-226.02	-15,864.26	1,675,324.08	3,215,785.81	39.685064°N	104.733277°W	
- plan hits target center										
- Point										

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
2,150.46	2,148.89	-37.99	-56.44	Start 55.00 hold at 2150.46 MD	
2,205.46	2,203.89	-38.87	-56.83	Start DLS 2.00 TFO 46.72	
2,340.72	2,339.03	-42.11	-60.81	Start 5002.09 hold at 2340.72 MD	
7,342.81	7,331.92	-200.99	-319.16	Start DLS 10.00 TFO 31.61	
8,213.19	7,875.00	-218.54	-891.34	Start 14972.92 hold at 8213.19 MD	
23,186.11	7,875.00	-226.02	-15,864.26	TD at 23186.11	

CIVITAS RESOURCES

ARAPAHOE COUNTY

SEC 21-T4S-R65W

GRANDE 4-65 20-19 4AH

OWB

PROPOSAL 1

Anticollision Report

24 November, 2021

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

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

Survey Tool Program	Date	11/24/2021		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
29.38	2,150.46	SURFACE SURVEY (OWB)	MWD OWSG	OWSG MWD - Standard
2,150.46	23,186.11	PROPOSAL 1 (OWB)	MWD OWSG	OWSG MWD - Standard

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						
EXIST HZ GRANDE 4-65 20-19 3AH - OWB - FINAL SU	2,176.27	2,178.05	265.97	258.28	34.601	CC, ES
EXIST HZ GRANDE 4-65 20-19 3AH - OWB - FINAL SU	15,300.00	15,453.00	1,383.65	968.62	3.334	SF
EXIST HZ GRANDE 4-65 20-19 3AH - STK - FINAL STK	2,176.27	2,178.05	265.97	258.28	34.601	CC, ES
EXIST HZ GRANDE 4-65 20-19 3AH - STK - FINAL STK	15,600.00	15,795.00	1,370.71	973.80	3.453	SF
EXIST HZ SUNSET 4-65 21-22 1AH - OWB - FINAL SUR	562.33	709.82	3,051.87	3,047.50	697.467	CC
EXIST HZ SUNSET 4-65 21-22 1AH - OWB - FINAL SUR	615.06	735.91	3,052.07	3,047.40	654.269	ES
EXIST HZ SUNSET 4-65 21-22 1AH - OWB - FINAL SUR	10,500.00	7,431.51	4,451.87	4,353.92	45.452	SF
EXIST HZ SUNSET 4-65 21-22 1H - OWB - FINAL SURV	7,550.00	17,391.00	541.24	457.80	6.486	SF
EXIST HZ SUNSET 4-65 21-22 1H - OWB - FINAL SURV	7,600.00	17,391.00	532.46	451.68	6.591	ES
EXIST HZ SUNSET 4-65 21-22 1H - OWB - FINAL SURV	7,624.19	17,391.00	531.40	452.08	6.699	CC
EXIST HZ SUNSET 4-65 21-22 2AH - OWB - FINAL SUR	7,674.10	8,065.91	2,503.71	2,448.53	45.374	CC, ES
EXIST HZ SUNSET 4-65 21-22 2AH - OWB - FINAL SUR	9,300.00	7,666.00	2,910.82	2,837.26	39.573	SF
EXIST HZ SUNSET 4-65 21-22 3AH - OWB - FINAL SUR	0.00	0.00	75.04			
EXIST HZ SUNSET 4-65 21-22 3AH - OWB - FINAL SUR	2,300.00	2,298.04	176.29	160.57	11.214	SF
EXIST HZ SUNSET 4-65 21-22 3BH - OWB - FINAL SUR	0.00	0.00	25.14			
EXIST HZ SUNSET 4-65 21-22 3BH - OWB - FINAL SUR	316.51	316.14	26.28	24.20	12.650	ES
EXIST HZ SUNSET 4-65 21-22 3BH - OWB - FINAL SUR	2,205.46	2,204.20	70.73	55.16	4.542	SF
EXIST HZ SUNSET 4-65 21-22 4BH - OWB - FINAL SUR	3,484.61	3,492.50	27.77	5.87	1.268	Level 3, CC
EXIST HZ SUNSET 4-65 21-22 4BH - OWB - FINAL SUR	3,500.00	3,507.74	27.85	5.86	1.267	Level 3, ES, SF
EXISTING HZ SUNSET 4-65 21-22 1BH - OWB - FINAL	2,740.08	2,923.38	3,010.48	2,990.44	150.239	CC
EXISTING HZ SUNSET 4-65 21-22 1BH - OWB - FINAL	2,800.00	2,970.15	3,010.63	2,990.29	148.018	ES
EXISTING HZ SUNSET 4-65 21-22 1BH - OWB - FINAL	9,900.00	7,575.00	3,672.17	3,586.30	42.765	SF
EXISTING HZ SUNSET 4-65 21-22 2BH - OWB - FINAL	7,731.92	8,076.76	1,943.12	1,886.45	34.291	CC, ES
EXISTING HZ SUNSET 4-65 21-22 2BH - OWB - FINAL	8,700.00	7,906.24	2,140.92	2,076.77	33.373	SF
GRANDE 4-65 20-19 1AH - OWB - PROPOSAL 1	0.00	51.16	3,125.95			
GRANDE 4-65 20-19 1AH - OWB - PROPOSAL 1	23,186.11	23,253.12	3,874.92	3,030.18	4.587	ES, SF
GRANDE 4-65 20-19 1CH - OWB - PROPOSAL 1	314.36	387.40	3,089.35	3,087.03	1,331.041	CC
GRANDE 4-65 20-19 1CH - OWB - PROPOSAL 1	23,186.11	23,302.06	3,245.07	2,400.15	3.841	ES, SF
GRANDE 4-65 20-19 2AH - OWB - PROPOSAL 1	8,203.15	8,284.16	2,610.28	2,545.67	40.401	CC
GRANDE 4-65 20-19 2AH - OWB - PROPOSAL 1	23,186.11	23,264.06	2,615.39	1,771.00	3.097	ES, SF
GRANDE 4-65 20-19 2CH - OWB - PROPOSAL 1	8,203.24	8,456.96	1,980.43	1,914.53	30.055	CC
GRANDE 4-65 20-19 2CH - OWB - PROPOSAL 1	23,186.11	23,430.27	1,985.54	1,140.83	2.351	ES, SF
GRANDE 4-65 20-19 3CH - OWB - PROPOSAL 1	607.63	607.60	16.25	12.06	3.880	CC
GRANDE 4-65 20-19 3CH - OWB - PROPOSAL 1	23,186.11	23,284.30	713.53	-122.35	0.854	Level 1, ES, SF
GRANDE 4-65 20-19 4CH - OWB - PROPOSAL 1	405.44	404.65	49.04	46.34	18.173	CC
GRANDE 4-65 20-19 4CH - OWB - PROPOSAL 1	23,186.11	23,322.01	713.90	-121.81	0.854	Level 1, ES, SF

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						

Offset Design													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		Highside Toolface (°)	Offset Wellbore Centre		Distance				Warning	
				Reference (usft)	Offset (usft)		+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	2.34	219.32	8.95	2,190.35					
29.38	29.38	2,178.05	2,178.02	0.01	0.00	128.98	219.32	8.95	2,161.12	2,158.84	2.28	946.066		
59.94	59.94	2,178.05	2,178.02	0.12	0.00	106.98	219.32	8.95	2,130.73	2,128.44	2.28	932.505		
90.50	90.50	2,178.05	2,178.02	0.23	0.00	139.34	219.32	8.95	2,100.34	2,098.06	2.29	918.983		
121.06	121.06	2,178.05	2,178.02	0.34	0.00	143.53	219.32	8.95	2,069.98	2,067.69	2.29	905.570		
151.62	151.62	2,178.05	2,178.02	0.45	0.00	111.41	219.32	8.95	2,039.62	2,037.33	2.29	891.385		
212.74	212.73	2,178.05	2,178.02	0.67	0.00	130.27	219.32	8.95	1,978.91	1,976.61	2.29	862.497		
273.86	273.84	2,178.05	2,178.02	0.89	0.00	117.41	219.32	8.95	1,918.23	1,915.93	2.30	833.245		
316.51	316.48	2,178.05	2,178.02	1.04	0.00	122.61	219.32	8.95	1,875.92	1,873.61	2.31	812.550		
359.16	359.12	2,178.05	2,178.02	1.19	0.00	129.65	219.32	8.95	1,833.65	1,831.34	2.32	791.987		
401.81	401.74	2,178.05	2,178.02	1.35	0.00	135.50	219.32	8.95	1,791.45	1,789.13	2.32	771.475		
444.46	444.34	2,178.05	2,178.02	1.51	0.00	134.52	219.32	8.95	1,749.32	1,746.99	2.33	750.558		
487.11	486.92	2,178.05	2,178.02	1.66	0.00	136.36	219.32	8.95	1,707.24	1,704.90	2.34	729.271		
529.76	529.49	2,178.05	2,178.02	1.82	0.00	136.81	219.32	8.95	1,665.22	1,662.87	2.35	707.809		
572.41	572.04	2,178.05	2,178.02	1.98	0.00	137.42	219.32	8.95	1,623.26	1,620.89	2.37	685.926		
615.06	614.59	2,178.05	2,178.02	2.14	0.00	135.83	219.32	8.95	1,581.33	1,578.95	2.38	663.676		
657.71	657.13	2,178.05	2,178.02	2.30	0.00	136.61	219.32	8.95	1,539.46	1,537.06	2.40	641.458		
700.36	699.68	2,178.05	2,178.02	2.46	0.00	137.29	219.32	8.95	1,497.63	1,495.21	2.42	618.958		
743.01	742.23	2,178.05	2,178.02	2.61	0.00	137.98	219.32	8.95	1,455.83	1,453.39	2.44	596.268		
785.66	784.78	2,178.05	2,178.02	2.77	0.00	142.78	219.32	8.95	1,414.13	1,411.66	2.46	574.278		
828.31	827.31	2,178.05	2,178.02	2.94	0.00	143.62	219.32	8.95	1,372.54	1,370.05	2.49	552.248		
870.96	869.88	2,178.05	2,178.02	3.09	0.00	140.19	219.32	8.95	1,330.93	1,328.41	2.52	528.880		
913.61	912.48	2,178.05	2,178.02	3.25	0.00	144.46	219.32	8.95	1,289.29	1,286.74	2.55	505.533		
956.26	955.09	2,178.05	2,178.02	3.41	0.00	146.99	219.32	8.95	1,247.73	1,245.15	2.58	483.338		
998.91	997.69	2,178.05	2,178.02	3.56	0.00	147.09	219.32	8.95	1,206.26	1,203.65	2.61	461.326		
1,041.56	1,040.31	2,178.05	2,178.02	3.72	0.00	145.78	219.32	8.95	1,164.82	1,162.17	2.65	438.954		
1,084.21	1,082.93	2,178.05	2,178.02	3.87	0.00	147.75	219.32	8.95	1,123.41	1,120.71	2.70	416.711		
1,126.86	1,125.57	2,178.05	2,178.02	4.03	0.00	144.67	219.32	8.95	1,082.07	1,079.33	2.74	395.114		
1,169.51	1,168.19	2,178.05	2,178.02	4.18	0.00	148.67	219.32	8.95	1,040.87	1,038.08	2.78	373.957		
1,212.16	1,210.82	2,178.05	2,178.02	4.34	0.00	155.47	219.32	8.95	999.80	996.96	2.83	352.930		
1,254.81	1,253.45	2,178.05	2,178.02	4.49	0.00	166.20	219.32	8.95	958.85	955.97	2.89	332.052		
1,297.46	1,296.09	2,178.05	2,178.02	4.64	0.00	164.87	219.32	8.95	918.04	915.09	2.95	311.420		
1,340.11	1,338.72	2,178.05	2,178.02	4.79	0.00	169.08	219.32	8.95	877.40	874.39	3.01	291.216		
1,382.76	1,381.36	2,178.05	2,178.02	4.95	0.00	157.93	219.32	8.95	836.99	833.91	3.08	271.392		
1,425.41	1,423.99	2,178.05	2,178.02	5.10	0.00	143.81	219.32	8.95	796.78	793.62	3.17	251.723		
1,468.06	1,466.62	2,178.05	2,178.02	5.26	0.00	139.48	219.32	8.95	756.83	753.57	3.26	232.494		
1,510.71	1,509.24	2,178.05	2,178.02	5.41	0.00	142.84	219.32	8.95	717.21	713.86	3.35	213.778		
1,553.36	1,551.88	2,178.05	2,178.02	5.56	0.00	160.05	219.32	8.95	677.90	674.43	3.47	195.385		
1,596.01	1,594.52	2,178.05	2,178.02	5.72	0.00	156.44	219.32	8.95	638.95	635.35	3.60	177.571		
1,638.66	1,637.16	2,178.05	2,178.02	5.87	0.00	149.25	219.32	8.95	600.44	596.70	3.74	160.392		
1,681.31	1,679.81	2,178.05	2,178.02	6.02	0.00	165.36	219.32	8.95	562.48	558.57	3.91	143.903		
1,723.96	1,722.45	2,178.05	2,178.02	6.17	0.00	154.91	219.32	8.95	525.30	521.20	4.10	128.234		
1,766.61	1,765.10	2,178.05	2,178.02	6.33	0.00	159.02	219.32	8.95	489.02	484.71	4.32	113.324		
1,809.26	1,807.74	2,178.05	2,178.02	6.48	0.00	156.84	219.32	8.95	453.82	449.25	4.57	99.315		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ GRANDE 4-65 20-19 3AH - OWB - FINAL SURVEY OWB													Offset Site Error:	0.00 usft
Survey Program: 2258-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
1,851.91	1,850.39	2,178.05	2,178.02	6.63	0.00	145.78	219.32	8.95	420.03	415.17	4.86	86.386		
1,894.56	1,893.03	2,178.05	2,178.02	6.78	0.00	143.11	219.32	8.95	387.99	382.79	5.20	74.613		
1,937.21	1,935.67	2,178.05	2,178.02	6.94	0.00	141.94	219.32	8.95	358.09	352.51	5.58	64.131		
1,979.86	1,978.32	2,178.05	2,178.02	7.09	0.00	141.08	219.32	8.95	330.95	324.95	6.01	55.088		
2,022.51	2,020.96	2,178.05	2,178.02	7.24	0.00	152.50	219.32	8.95	307.40	300.94	6.46	47.596		
2,065.16	2,063.61	2,178.05	2,178.02	7.40	0.00	150.52	219.32	8.95	288.33	281.42	6.91	41.735		
2,107.81	2,106.25	2,178.05	2,178.02	7.55	0.00	170.50	219.32	8.95	274.65	267.34	7.31	37.559		
2,150.46	2,148.89	2,178.05	2,178.02	7.70	0.00	170.39	219.32	8.95	267.22	259.60	7.62	35.085		
2,176.27	2,174.70	2,178.05	2,178.02	7.75	0.00	170.39	219.32	8.95	265.97	258.28	7.69	34.601 CC, ES		
2,205.46	2,203.89	2,202.58	2,202.55	7.80	0.04	170.41	219.31	8.99	266.44	258.66	7.78	34.242		
2,300.00	2,298.37	2,296.96	2,296.93	7.82	0.28	139.89	219.33	9.05	268.99	260.96	8.03	33.485		
2,340.72	2,339.03	2,337.63	2,337.60	7.83	0.43	136.50	219.35	9.07	270.64	262.45	8.19	33.043		
2,400.00	2,398.21	2,397.33	2,397.30	7.86	0.64	137.02	219.34	9.03	273.24	264.82	8.42	32.452		
2,500.00	2,498.02	2,498.82	2,498.79	7.92	0.98	137.84	219.01	8.72	277.31	268.49	8.82	31.444		
2,600.00	2,597.84	2,596.83	2,596.79	7.99	1.32	138.77	218.17	9.08	281.13	271.91	9.22	30.480		
2,700.00	2,697.65	2,699.54	2,699.50	8.09	1.68	139.59	218.10	9.01	285.66	275.99	9.66	29.556		
2,800.00	2,797.47	2,802.26	2,802.19	8.20	2.04	140.52	216.08	9.07	288.45	278.33	10.12	28.501		
2,900.00	2,897.29	2,891.62	2,891.50	8.32	2.36	141.75	214.51	11.52	292.49	281.95	10.54	27.751		
3,000.00	2,997.10	2,995.82	2,995.67	8.46	2.72	142.85	215.55	13.84	299.06	288.02	11.03	27.105		
3,100.00	3,096.92	3,094.56	3,094.41	8.61	3.07	143.58	215.33	14.02	303.78	292.26	11.52	26.376		
3,200.00	3,196.73	3,192.79	3,192.64	8.78	3.41	144.28	215.89	14.48	309.38	297.37	12.01	25.755		
3,300.00	3,296.55	3,302.02	3,301.85	8.96	3.79	145.04	215.31	14.57	313.89	301.33	12.56	24.986		
3,400.00	3,396.37	3,396.78	3,396.61	9.15	4.13	145.74	214.08	14.66	317.73	304.66	13.07	24.314		
3,500.00	3,496.18	3,495.00	3,494.83	9.35	4.47	146.47	213.56	15.29	322.56	308.96	13.60	23.717		
3,600.00	3,596.00	3,594.72	3,594.54	9.56	4.83	147.12	213.42	15.64	327.65	313.50	14.15	23.156		
3,700.00	3,695.81	3,694.17	3,693.99	9.78	5.18	147.71	213.51	15.82	332.92	318.22	14.71	22.639		
3,800.00	3,795.63	3,795.03	3,794.85	10.01	5.53	148.24	213.52	15.63	337.99	322.72	15.27	22.132		
3,900.00	3,895.45	3,894.28	3,894.10	10.25	5.87	148.82	213.34	15.91	343.13	327.29	15.84	21.660		
4,000.00	3,995.26	3,989.04	3,988.86	10.50	6.21	149.39	213.32	16.42	348.60	332.20	16.40	21.253		
4,100.00	4,095.08	4,075.72	4,075.47	10.76	6.51	149.64	216.47	16.84	357.23	340.31	16.92	21.109		
4,200.00	4,194.89	4,167.24	4,166.78	11.02	6.83	149.79	222.58	17.98	368.91	351.44	17.47	21.120		
4,300.00	4,294.71	4,266.18	4,265.36	11.28	7.17	149.57	230.88	17.44	381.26	363.20	18.06	21.107		
4,400.00	4,394.53	4,358.48	4,357.19	11.56	7.50	149.15	240.15	15.89	394.56	375.94	18.63	21.184		
4,500.00	4,494.34	4,446.99	4,444.96	11.84	7.82	148.62	251.36	14.49	410.24	391.08	19.17	21.404		
4,600.00	4,594.16	4,541.70	4,538.62	12.12	8.16	147.97	265.35	12.94	427.81	408.05	19.76	21.653		
4,700.00	4,693.97	4,649.29	4,644.66	12.41	8.57	146.69	282.32	6.62	444.55	424.09	20.46	21.730		
4,800.00	4,793.79	4,748.33	4,742.07	12.70	8.94	145.23	297.71	-2.53	459.94	438.83	21.11	21.792		
4,900.00	4,893.61	4,834.76	4,826.82	13.00	9.28	143.96	312.59	-10.62	477.11	455.44	21.67	22.017		
5,000.00	4,993.42	4,918.54	4,908.65	13.30	9.62	142.79	329.13	-17.64	497.22	475.01	22.21	22.386		
5,100.00	5,093.24	5,002.91	4,990.66	13.61	9.97	141.67	347.82	-24.22	520.01	497.25	22.76	22.850		
5,200.00	5,193.06	5,079.11	5,064.06	13.92	10.31	140.59	367.26	-30.52	546.04	522.82	23.22	23.512		
5,300.00	5,292.87	5,194.93	5,174.52	14.23	10.84	138.56	398.81	-44.97	572.96	548.87	24.09	23.780		
5,400.00	5,392.69	5,295.39	5,270.51	14.54	11.32	136.74	423.98	-60.59	597.42	572.60	24.83	24.064		
5,500.00	5,492.50	5,372.39	5,344.08	14.86	11.70	135.54	444.01	-71.29	623.62	598.28	25.33	24.615		
5,600.00	5,592.32	5,499.14	5,464.79	15.18	12.34	133.52	476.93	-91.38	650.00	623.67	26.33	24.684		
5,700.00	5,692.14	5,653.29	5,611.47	15.50	13.11	130.44	506.70	-127.97	668.80	641.28	27.52	24.301		
5,800.00	5,791.95	5,724.63	5,679.41	15.83	13.47	129.03	519.00	-145.92	686.54	658.48	28.07	24.462		
5,900.00	5,891.77	5,794.19	5,745.66	16.16	13.83	127.86	533.50	-161.36	708.63	680.07	28.57	24.808		
6,000.00	5,991.58	5,868.60	5,816.63	16.48	14.22	126.90	551.40	-174.69	734.52	705.44	29.08	25.255		
6,100.00	6,091.40	5,957.24	5,901.77	16.81	14.69	126.27	573.77	-184.94	762.24	732.51	29.73	25.642		
6,200.00	6,191.22	6,044.82	5,986.26	17.15	15.13	126.08	596.29	-189.73	790.90	760.56	30.34	26.066		
6,300.00	6,291.03	6,123.33	6,061.85	17.48	15.51	126.16	617.46	-190.64	821.12	790.26	30.86	26.608		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ GRANDE 4-65 20-19 3AH - OWB - FINAL SURVEY OWB													Offset Site Error:	0.00 usft
Survey Program: 2258-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
6,400.00	6,390.85	6,199.47	6,134.75	17.82	15.89	126.38	639.36	-189.39	853.37	822.03	31.35	27.223		
6,500.00	6,490.66	6,286.09	6,217.25	18.15	16.32	126.70	665.62	-186.46	887.31	855.37	31.94	27.780		
6,600.00	6,590.48	6,380.15	6,306.76	18.49	16.79	127.08	694.22	-182.51	921.48	888.87	32.61	28.256		
6,700.00	6,690.30	6,474.33	6,396.42	18.83	17.27	127.45	722.75	-178.21	955.61	922.33	33.29	28.708		
6,800.00	6,790.11	6,575.80	6,493.08	19.17	17.78	127.84	753.21	-173.39	989.55	955.51	34.04	29.074		
6,900.00	6,889.93	6,709.38	6,621.28	19.52	18.46	128.28	790.33	-168.01	1,021.25	986.18	35.08	29.116		
7,000.00	6,989.74	6,794.97	6,703.73	19.86	18.89	128.37	813.27	-167.58	1,051.53	1,015.85	35.69	29.466		
7,100.00	7,089.56	6,894.26	6,799.19	20.21	19.42	128.32	840.46	-169.88	1,082.07	1,045.64	36.43	29.702		
7,200.00	7,189.38	6,989.86	6,891.16	20.55	19.93	128.30	866.49	-171.58	1,112.50	1,075.36	37.14	29.952		
7,300.00	7,289.19	7,102.75	6,999.81	20.90	20.54	128.05	896.38	-178.07	1,141.71	1,103.70	38.01	30.037		
7,342.81	7,331.92	7,138.96	7,034.65	21.05	20.74	127.95	905.92	-180.51	1,154.16	1,115.87	38.28	30.150		
7,350.00	7,339.10	7,145.03	7,040.50	21.07	20.77	122.46	907.54	-180.88	1,156.27	1,117.94	38.33	30.169		
7,400.00	7,388.77	7,182.80	7,076.83	21.26	20.98	106.47	917.64	-182.87	1,171.35	1,132.73	38.62	30.333		
7,450.00	7,437.78	7,213.07	7,105.86	21.46	21.15	100.73	926.09	-184.25	1,187.36	1,148.50	38.86	30.555		
7,500.00	7,485.76	7,242.50	7,133.98	21.68	21.31	97.25	934.68	-185.46	1,204.31	1,165.19	39.11	30.789		
7,550.00	7,532.34	7,277.36	7,167.16	21.91	21.51	94.75	945.32	-186.78	1,222.08	1,182.63	39.45	30.982		
7,600.00	7,577.17	7,336.45	7,223.33	22.16	21.85	93.17	963.24	-190.52	1,239.88	1,199.84	40.03	30.972		
7,650.00	7,619.91	7,384.59	7,269.06	22.44	22.13	91.75	977.58	-195.06	1,257.45	1,216.90	40.55	31.010		
7,700.00	7,660.24	7,423.83	7,306.33	22.74	22.37	90.40	989.28	-198.88	1,275.26	1,234.24	41.03	31.084		
7,750.00	7,697.84	7,462.02	7,342.58	23.07	22.59	89.20	1,000.70	-202.60	1,293.42	1,251.88	41.54	31.139		
7,800.00	7,732.43	7,504.66	7,382.81	23.43	22.86	88.23	1,013.63	-208.24	1,311.82	1,269.68	42.14	31.128		
7,850.00	7,763.75	7,548.12	7,423.35	23.84	23.12	87.35	1,027.03	-216.32	1,330.37	1,287.57	42.80	31.081		
7,900.00	7,791.55	7,657.99	7,521.49	24.29	23.86	88.22	1,059.87	-252.42	1,347.50	1,303.34	44.17	30.508		
7,950.00	7,815.64	7,683.88	7,543.49	24.79	24.04	86.95	1,067.65	-263.64	1,364.58	1,319.76	44.83	30.442		
8,000.00	7,835.81	7,708.75	7,564.29	25.35	24.22	85.67	1,075.41	-274.83	1,382.20	1,336.67	45.53	30.361		
8,050.00	7,851.93	8,358.52	7,905.05	25.96	30.21	91.68	1,162.38	-785.50	1,382.28	1,329.82	52.45	26.353		
8,100.00	7,863.86	8,404.61	7,909.79	26.62	30.81	91.57	1,160.44	-831.30	1,380.38	1,326.48	53.89	25.613		
8,150.00	7,871.52	8,474.95	7,912.70	27.33	31.80	91.45	1,157.14	-901.49	1,378.14	1,322.42	55.72	24.735		
8,200.00	7,874.85	8,576.81	7,912.58	28.07	33.34	91.51	1,149.70	-1,003.07	1,374.47	1,316.47	58.00	23.698		
8,213.19	7,875.00	8,597.70	7,912.48	28.27	33.67	91.63	1,147.74	-1,023.87	1,373.24	1,314.71	58.54	23.459		
8,300.00	7,875.00	8,683.57	7,912.05	29.67	35.09	91.62	1,139.15	-1,109.31	1,364.59	1,303.00	61.59	22.155		
8,400.00	7,875.00	8,758.67	7,911.76	31.43	36.42	91.61	1,132.47	-1,184.11	1,355.79	1,290.76	65.03	20.849		
8,500.00	7,875.00	8,826.75	7,911.59	33.31	37.69	91.61	1,127.93	-1,252.04	1,349.17	1,280.64	68.54	19.685		
8,600.00	7,875.00	8,892.26	7,911.47	35.29	38.98	91.61	1,125.18	-1,317.49	1,345.02	1,272.87	72.16	18.641		
8,700.00	7,875.00	8,973.47	7,911.32	37.37	40.65	91.61	1,123.53	-1,398.68	1,342.99	1,266.86	76.14	17.639		
8,779.55	7,875.00	9,033.16	7,911.17	39.08	41.92	91.60	1,122.94	-1,458.37	1,342.29	1,262.99	79.30	16.927		
8,800.00	7,875.00	9,046.63	7,911.14	39.52	42.21	91.60	1,122.97	-1,471.84	1,342.34	1,262.26	80.08	16.762		
8,900.00	7,875.00	9,119.74	7,910.98	41.73	43.81	91.59	1,124.26	-1,544.93	1,344.07	1,259.97	84.10	15.982		
9,000.00	7,875.00	9,234.09	7,910.94	44.00	46.39	91.59	1,126.90	-1,659.25	1,346.48	1,257.50	88.98	15.132		
9,100.00	7,875.00	9,350.64	7,911.01	46.32	49.07	91.59	1,127.30	-1,775.80	1,346.80	1,252.82	93.98	14.330		
9,200.00	7,875.00	9,440.30	7,910.48	48.67	51.17	91.56	1,127.74	-1,865.45	1,347.34	1,248.78	98.55	13.671		
9,300.00	7,875.00	9,529.98	7,909.40	51.05	53.30	91.52	1,129.01	-1,955.12	1,348.76	1,245.58	103.18	13.072		
9,400.00	7,875.00	9,619.17	7,908.06	53.47	55.45	91.46	1,130.88	-2,044.27	1,350.87	1,243.03	107.84	12.527		
9,500.00	7,875.00	9,708.95	7,907.01	55.91	57.64	91.41	1,133.55	-2,134.02	1,353.86	1,241.31	112.55	12.029		
9,600.00	7,875.00	9,798.93	7,906.10	58.37	59.85	91.37	1,136.78	-2,223.93	1,357.48	1,240.19	117.29	11.574		
9,700.00	7,875.00	9,890.71	7,905.06	60.85	62.13	91.32	1,140.87	-2,315.61	1,361.95	1,239.84	122.10	11.154		
9,800.00	7,875.00	9,994.77	7,903.99	63.35	64.74	91.27	1,145.57	-2,419.56	1,366.49	1,239.26	127.23	10.740		
9,900.00	7,875.00	10,111.62	7,902.96	65.86	67.68	91.22	1,150.03	-2,536.32	1,370.37	1,237.70	132.67	10.329		
10,000.00	7,875.00	10,218.33	7,902.06	68.39	70.37	91.18	1,152.91	-2,642.99	1,373.08	1,235.18	137.90	9.957		
10,100.00	7,875.00	10,341.06	7,900.84	70.93	73.48	91.13	1,155.18	-2,765.69	1,374.99	1,231.50	143.49	9.582		
10,200.00	7,875.00	10,461.29	7,899.60	73.48	76.54	91.08	1,155.16	-2,885.91	1,374.96	1,225.93	149.02	9.227		
10,300.00	7,875.00	10,599.78	7,898.41	76.04	80.05	91.03	1,153.16	-3,024.37	1,373.74	1,218.89	154.84	8.872		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ GRANDE 4-65 20-19 3AH - OWB - FINAL SURVEY OWB													Offset Site Error:	0.00 usft
Survey Program: 2258-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,400.00	7,875.00	10,712.01	7,897.59	78.61	82.90	91.00	1,148.75	-3,136.52	1,369.84	1,209.65	160.19	8.551		
10,500.00	7,875.00	10,804.07	7,896.87	81.19	85.25	90.97	1,145.15	-3,228.50	1,365.96	1,200.73	165.23	8.267		
10,600.00	7,875.00	10,874.00	7,896.27	83.77	87.04	90.95	1,143.40	-3,298.41	1,363.47	1,193.57	169.89	8.025		
10,697.16	7,875.00	10,951.59	7,895.60	86.29	89.04	90.92	1,142.89	-3,375.99	1,362.85	1,188.29	174.57	7.807		
10,700.00	7,875.00	10,953.95	7,895.58	86.36	89.10	90.92	1,142.89	-3,378.35	1,362.85	1,188.15	174.70	7.801		
10,800.00	7,875.00	11,030.71	7,894.85	88.96	91.09	90.89	1,143.45	-3,455.10	1,363.64	1,184.22	179.42	7.600		
10,900.00	7,875.00	11,113.06	7,893.90	91.56	93.24	90.85	1,145.66	-3,537.42	1,366.30	1,182.06	184.23	7.416		
11,000.00	7,875.00	11,222.62	7,892.97	94.17	96.10	90.81	1,148.57	-3,646.94	1,368.99	1,179.30	189.69	7.217		
11,100.00	7,875.00	11,323.51	7,892.17	96.78	98.73	90.77	1,150.69	-3,747.80	1,371.13	1,176.18	194.95	7.033		
11,200.00	7,875.00	11,406.91	7,891.55	99.39	100.92	90.74	1,152.89	-3,831.16	1,373.84	1,174.04	199.80	6.876		
11,300.00	7,875.00	11,482.77	7,891.00	102.01	102.91	90.72	1,156.17	-3,906.96	1,378.20	1,173.77	204.42	6.742		
11,400.00	7,875.00	11,560.26	7,890.38	104.64	104.95	90.69	1,160.81	-3,984.30	1,384.23	1,175.20	209.03	6.622		
11,500.00	7,875.00	11,643.30	7,889.65	107.26	107.15	90.66	1,166.95	-4,067.11	1,391.66	1,177.88	213.78	6.510		
11,600.00	7,875.00	11,807.27	7,888.13	109.89	111.48	90.59	1,176.29	-4,230.79	1,397.40	1,176.52	220.88	6.327		
11,700.00	7,875.00	11,920.33	7,887.12	112.52	114.46	90.55	1,179.29	-4,343.81	1,400.06	1,173.58	226.48	6.182		
11,800.00	7,875.00	12,054.70	7,885.99	115.16	117.99	90.50	1,180.34	-4,478.16	1,400.73	1,168.21	232.51	6.024		
11,900.00	7,875.00	12,128.20	7,885.46	117.80	119.93	90.48	1,181.06	-4,551.65	1,401.74	1,164.51	237.23	5.909		
12,000.00	7,875.00	12,207.36	7,884.85	120.44	122.02	90.46	1,183.14	-4,630.78	1,404.42	1,162.41	242.01	5.803		
12,100.00	7,875.00	12,328.72	7,883.71	123.08	125.23	90.41	1,186.51	-4,752.09	1,407.26	1,159.43	247.83	5.678		
12,200.00	7,875.00	12,391.79	7,883.20	125.73	126.91	90.39	1,188.82	-4,815.11	1,410.79	1,158.60	252.20	5.594		
12,300.00	7,875.00	12,582.89	7,881.68	128.37	131.96	90.32	1,193.02	-5,006.12	1,413.90	1,154.39	259.51	5.448		
12,400.00	7,875.00	12,746.72	7,881.41	131.02	136.24	90.31	1,183.44	-5,169.64	1,407.07	1,141.50	265.57	5.298		
12,500.00	7,875.00	12,821.69	7,881.43	133.67	138.20	90.32	1,179.32	-5,244.50	1,401.59	1,130.98	270.61	5.179		
12,600.00	7,875.00	12,902.92	7,881.34	136.32	140.33	90.31	1,176.04	-5,325.66	1,397.60	1,121.92	275.68	5.070		
12,700.00	7,875.00	12,988.39	7,881.36	138.97	142.58	90.31	1,173.64	-5,411.09	1,394.83	1,114.06	280.77	4.968		
12,800.00	7,875.00	13,084.02	7,881.46	141.63	145.11	90.32	1,171.51	-5,506.70	1,392.66	1,106.65	286.01	4.869		
12,900.00	7,875.00	13,178.74	7,881.66	144.28	147.61	90.33	1,169.77	-5,601.41	1,390.87	1,099.64	291.23	4.776		
13,000.00	7,875.00	13,284.78	7,882.26	146.94	150.42	90.35	1,167.98	-5,707.43	1,389.25	1,092.60	296.64	4.683		
13,100.00	7,875.00	13,389.33	7,882.83	149.60	153.18	90.38	1,165.08	-5,811.94	1,386.50	1,084.48	302.03	4.591		
13,200.00	7,875.00	13,468.84	7,883.32	152.26	155.29	90.40	1,163.82	-5,891.43	1,384.95	1,077.95	307.00	4.511		
13,296.72	7,875.00	13,552.97	7,883.84	154.83	157.52	90.42	1,163.33	-5,975.56	1,384.44	1,072.54	311.90	4.439		
13,300.00	7,875.00	13,555.46	7,883.86	154.92	157.59	90.42	1,163.33	-5,978.05	1,384.44	1,072.38	312.06	4.436		
13,400.00	7,875.00	13,634.00	7,884.81	157.58	159.68	90.46	1,164.03	-6,056.58	1,385.37	1,068.46	316.91	4.371		
13,500.00	7,875.00	13,719.00	7,886.20	160.24	161.94	90.52	1,165.90	-6,141.55	1,387.62	1,065.76	321.86	4.311		
13,600.00	7,875.00	13,817.56	7,887.80	162.91	164.57	90.58	1,168.58	-6,240.06	1,390.40	1,063.25	327.15	4.250		
13,700.00	7,875.00	13,930.88	7,889.59	165.57	167.60	90.65	1,171.19	-6,353.33	1,392.79	1,059.96	332.82	4.185		
13,800.00	7,875.00	14,054.38	7,891.77	168.24	170.89	90.74	1,172.20	-6,476.81	1,393.65	1,054.98	338.68	4.115		
13,900.00	7,875.00	14,167.96	7,893.97	170.90	173.91	90.83	1,171.72	-6,590.37	1,393.30	1,049.04	344.26	4.047		
13,983.05	7,875.00	14,239.50	7,895.86	173.12	175.82	90.91	1,171.12	-6,661.88	1,392.72	1,044.26	348.46	3.997		
14,000.00	7,875.00	14,251.64	7,896.24	173.57	176.14	90.93	1,171.13	-6,674.01	1,392.75	1,043.49	349.27	3.988		
14,100.00	7,875.00	14,340.85	7,899.39	176.24	178.52	91.06	1,172.08	-6,763.16	1,393.88	1,039.53	354.35	3.934		
14,200.00	7,875.00	14,481.20	7,904.30	178.90	182.25	91.26	1,171.80	-6,903.42	1,393.89	1,033.46	360.44	3.867		
14,300.00	7,875.00	14,610.19	7,908.75	181.57	185.67	91.45	1,167.64	-7,032.26	1,390.71	1,024.61	366.11	3.799		
14,400.00	7,875.00	14,699.40	7,911.91	184.24	188.04	91.58	1,164.25	-7,121.35	1,387.08	1,015.79	371.29	3.736		
14,500.00	7,875.00	14,775.61	7,914.57	186.91	190.06	91.69	1,162.51	-7,197.50	1,384.93	1,008.68	376.25	3.681		
14,600.00	7,875.00	14,875.89	7,918.08	189.58	192.73	91.84	1,161.02	-7,297.70	1,383.60	1,002.03	381.56	3.626		
14,700.00	7,875.00	14,980.14	7,921.92	192.26	195.50	92.00	1,159.24	-7,401.87	1,382.06	995.14	386.93	3.572		
14,800.00	7,875.00	15,080.14	7,925.60	194.93	198.16	92.16	1,157.34	-7,501.78	1,380.35	988.12	392.22	3.519		
14,900.00	7,875.00	15,170.80	7,929.08	197.60	200.58	92.30	1,155.85	-7,592.36	1,378.92	981.55	397.36	3.470		
14,969.36	7,875.00	15,226.68	7,931.16	199.45	202.07	92.39	1,155.46	-7,648.20	1,378.58	977.79	400.78	3.440		
15,000.00	7,875.00	15,253.24	7,932.11	200.27	202.78	92.43	1,155.46	-7,674.75	1,378.63	976.31	402.32	3.427		
15,100.00	7,875.00	15,349.16	7,935.57	202.95	205.34	92.57	1,155.71	-7,770.60	1,379.10	971.57	407.53	3.384		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ GRANDE 4-65 20-19 3AH - OWB - FINAL SURVEY OWB													Offset Site Error:	0.00 usft
Survey Program: 2258-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
15,200.00	7,875.00	15,449.09	7,939.21	205.62	208.01	92.72	1,156.10	-7,870.47	1,379.70	966.89	412.82	3.342		
15,300.00	7,875.00	15,453.00	7,939.35	208.29	208.11	92.73	1,156.11	-7,874.37	1,383.65	968.62	415.03	3.334 SF		
15,400.00	7,875.00	15,453.00	7,939.35	210.97	208.11	92.73	1,156.11	-7,874.37	1,394.77	979.73	415.04	3.361		
15,500.00	7,875.00	15,453.00	7,939.35	213.64	208.11	92.73	1,156.11	-7,874.37	1,412.90	999.88	413.02	3.421		
15,600.00	7,875.00	15,453.00	7,939.35	216.32	208.11	92.73	1,156.11	-7,874.37	1,437.77	1,028.61	409.16	3.514		
15,700.00	7,875.00	15,453.00	7,939.35	218.99	208.11	92.73	1,156.11	-7,874.37	1,469.03	1,065.34	403.69	3.639		
15,800.00	7,875.00	15,453.00	7,939.35	221.67	208.11	92.73	1,156.11	-7,874.37	1,506.31	1,109.41	396.90	3.795		
15,900.00	7,875.00	15,453.00	7,939.35	224.35	208.11	92.73	1,156.11	-7,874.37	1,549.14	1,160.09	389.06	3.982		
16,000.00	7,875.00	15,453.00	7,939.35	227.02	208.11	92.73	1,156.11	-7,874.37	1,597.10	1,216.66	380.44	4.198		
16,100.00	7,875.00	15,453.00	7,939.35	229.70	208.11	92.73	1,156.11	-7,874.37	1,649.74	1,278.44	371.30	4.443		
16,200.00	7,875.00	15,453.00	7,939.35	232.38	208.11	92.73	1,156.11	-7,874.37	1,706.61	1,344.76	361.85	4.716		
16,300.00	7,875.00	15,453.00	7,939.35	235.06	208.11	92.73	1,156.11	-7,874.37	1,767.32	1,415.05	352.27	5.017		
16,400.00	7,875.00	15,453.00	7,939.35	237.73	208.11	92.73	1,156.11	-7,874.37	1,831.48	1,488.78	342.70	5.344		
16,500.00	7,875.00	15,453.00	7,939.35	240.41	208.11	92.73	1,156.11	-7,874.37	1,898.74	1,565.48	333.26	5.698		
16,600.00	7,875.00	15,453.00	7,939.35	243.09	208.11	92.73	1,156.11	-7,874.37	1,968.78	1,644.76	324.02	6.076		
16,700.00	7,875.00	15,453.00	7,939.35	245.77	208.11	92.73	1,156.11	-7,874.37	2,041.32	1,726.27	315.05	6.479		
16,800.00	7,875.00	15,453.00	7,939.35	248.45	208.11	92.73	1,156.11	-7,874.37	2,116.10	1,809.71	306.40	6.906		
16,900.00	7,875.00	15,453.00	7,939.35	251.13	208.11	92.73	1,156.11	-7,874.37	2,192.89	1,894.82	298.07	7.357		
17,000.00	7,875.00	15,453.00	7,939.35	253.81	208.11	92.73	1,156.11	-7,874.37	2,271.49	1,981.39	290.10	7.830		
17,100.00	7,875.00	15,453.00	7,939.35	256.49	208.11	92.73	1,156.11	-7,874.37	2,351.71	2,069.23	282.49	8.325		
17,200.00	7,875.00	15,453.00	7,939.35	259.17	208.11	92.73	1,156.11	-7,874.37	2,433.40	2,158.18	275.22	8.842		
17,300.00	7,875.00	15,453.00	7,939.35	261.85	208.11	92.73	1,156.11	-7,874.37	2,516.42	2,248.11	268.31	9.379		
17,400.00	7,875.00	15,453.00	7,939.35	264.53	208.11	92.73	1,156.11	-7,874.37	2,600.62	2,338.90	261.72	9.937		
17,500.00	7,875.00	15,453.00	7,939.35	267.21	208.11	92.73	1,156.11	-7,874.37	2,685.91	2,430.45	255.47	10.514		
17,600.00	7,875.00	15,453.00	7,939.35	269.89	208.11	92.73	1,156.11	-7,874.37	2,772.19	2,522.67	249.52	11.110		
17,700.00	7,875.00	15,453.00	7,939.35	272.57	208.11	92.73	1,156.11	-7,874.37	2,859.36	2,615.49	243.87	11.725		
17,800.00	7,875.00	15,453.00	7,939.35	275.25	208.11	92.73	1,156.11	-7,874.37	2,947.34	2,708.84	238.50	12.358		
17,900.00	7,875.00	15,453.00	7,939.35	277.94	208.11	92.73	1,156.11	-7,874.37	3,036.07	2,802.68	233.39	13.008		
18,000.00	7,875.00	15,453.00	7,939.35	280.62	208.11	92.73	1,156.11	-7,874.37	3,125.48	2,896.94	228.54	13.676		
18,100.00	7,875.00	15,453.00	7,939.35	283.30	208.11	92.73	1,156.11	-7,874.37	3,215.51	2,991.58	223.92	14.360		
18,200.00	7,875.00	15,453.00	7,939.35	285.98	208.11	92.73	1,156.11	-7,874.37	3,306.11	3,086.58	219.53	15.060		
18,300.00	7,875.00	15,453.00	7,939.35	288.66	208.11	92.73	1,156.11	-7,874.37	3,397.25	3,181.89	215.35	15.775		
18,400.00	7,875.00	15,453.00	7,939.35	291.35	208.11	92.73	1,156.11	-7,874.37	3,488.86	3,277.49	211.37	16.506		
18,500.00	7,875.00	15,453.00	7,939.35	294.03	208.11	92.73	1,156.11	-7,874.37	3,580.93	3,373.35	207.58	17.251		
18,600.00	7,875.00	15,453.00	7,939.35	296.71	208.11	92.73	1,156.11	-7,874.37	3,673.41	3,469.45	203.96	18.010		
18,700.00	7,875.00	15,453.00	7,939.35	299.39	208.11	92.73	1,156.11	-7,874.37	3,766.28	3,565.76	200.51	18.783		
18,800.00	7,875.00	15,453.00	7,939.35	302.08	208.11	92.73	1,156.11	-7,874.37	3,859.50	3,662.28	197.22	19.569		
18,900.00	7,875.00	15,453.00	7,939.35	304.76	208.11	92.73	1,156.11	-7,874.37	3,953.05	3,758.98	194.08	20.369		
19,000.00	7,875.00	15,453.00	7,939.35	307.44	208.11	92.73	1,156.11	-7,874.37	4,046.92	3,855.85	191.07	21.180		
19,100.00	7,875.00	15,453.00	7,939.35	310.13	208.11	92.73	1,156.11	-7,874.37	4,141.07	3,952.87	188.19	22.004		
19,200.00	7,875.00	15,453.00	7,939.35	312.81	208.11	92.73	1,156.11	-7,874.37	4,235.48	4,050.04	185.44	22.840		
19,300.00	7,875.00	15,453.00	7,939.35	315.49	208.11	92.73	1,156.11	-7,874.37	4,330.15	4,147.34	182.81	23.687		
19,400.00	7,875.00	15,453.00	7,939.35	318.18	208.11	92.73	1,156.11	-7,874.37	4,425.05	4,244.77	180.29	24.545		
19,500.00	7,875.00	15,453.00	7,939.35	320.86	208.11	92.73	1,156.11	-7,874.37	4,520.18	4,342.31	177.87	25.413		
19,600.00	7,875.00	15,453.00	7,939.35	323.54	208.11	92.73	1,156.11	-7,874.37	4,615.50	4,439.96	175.55	26.292		
19,700.00	7,875.00	15,453.00	7,939.35	326.23	208.11	92.73	1,156.11	-7,874.37	4,711.03	4,537.71	173.32	27.181		
19,800.00	7,875.00	15,453.00	7,939.35	328.91	208.11	92.73	1,156.11	-7,874.37	4,806.73	4,635.55	171.18	28.079		
19,900.00	7,875.00	15,453.00	7,939.35	331.60	208.11	92.73	1,156.11	-7,874.37	4,902.61	4,733.48	169.13	28.987		
20,000.00	7,875.00	15,453.00	7,939.35	334.28	208.11	92.73	1,156.11	-7,874.37	4,998.65	4,831.49	167.16	29.904		
20,100.00	7,875.00	15,453.00	7,939.35	336.97	208.11	92.73	1,156.11	-7,874.37	5,094.84	4,929.58	165.26	30.829		
20,200.00	7,875.00	15,453.00	7,939.35	339.65	208.11	92.73	1,156.11	-7,874.37	5,191.17	5,027.74	163.43	31.763		
20,300.00	7,875.00	15,453.00	7,939.35	342.34	208.11	92.73	1,156.11	-7,874.37	5,287.64	5,125.96	161.67	32.705		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ GRANDE 4-65 20-19 3AH - OWB - FINAL SURVEY OWB													Offset Site Error: 0.00 usft			
Survey Program: 2258-MWD OWSG															Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor				
20,400.00	7,875.00	15,453.00	7,939.35	345.02	208.11	92.73	1,156.11	-7,874.37	5,384.24	5,224.26	159.98	33.655				
20,500.00	7,875.00	15,453.00	7,939.35	347.71	208.11	92.73	1,156.11	-7,874.37	5,480.96	5,322.61	158.35	34.613				
20,600.00	7,875.00	15,453.00	7,939.35	350.39	208.11	92.73	1,156.11	-7,874.37	5,577.80	5,421.02	156.78	35.577				
20,700.00	7,875.00	15,453.00	7,939.35	353.08	208.11	92.73	1,156.11	-7,874.37	5,674.74	5,519.48	155.26	36.549				
20,800.00	7,875.00	15,453.00	7,939.35	355.76	208.11	92.73	1,156.11	-7,874.37	5,771.79	5,617.99	153.80	37.528				
20,900.00	7,875.00	15,453.00	7,939.35	358.45	208.11	92.73	1,156.11	-7,874.37	5,868.94	5,716.55	152.39	38.513				
21,000.00	7,875.00	15,453.00	7,939.35	361.13	208.11	92.73	1,156.11	-7,874.37	5,966.19	5,815.16	151.03	39.504				
21,100.00	7,875.00	15,453.00	7,939.35	363.82	208.11	92.73	1,156.11	-7,874.37	6,063.52	5,913.81	149.71	40.501				
21,200.00	7,875.00	15,453.00	7,939.35	366.50	208.11	92.73	1,156.11	-7,874.37	6,160.94	6,012.50	148.44	41.504				
21,300.00	7,875.00	15,453.00	7,939.35	369.19	208.11	92.73	1,156.11	-7,874.37	6,258.44	6,111.23	147.21	42.513				
21,400.00	7,875.00	15,453.00	7,939.35	371.87	208.11	92.73	1,156.11	-7,874.37	6,356.02	6,209.99	146.02	43.527				
21,500.00	7,875.00	15,453.00	7,939.35	374.56	208.11	92.73	1,156.11	-7,874.37	6,453.67	6,308.80	144.87	44.547				
21,600.00	7,875.00	15,453.00	7,939.35	377.25	208.11	92.73	1,156.11	-7,874.37	6,551.39	6,407.63	143.76	45.571				
21,700.00	7,875.00	15,453.00	7,939.35	379.93	208.11	92.73	1,156.11	-7,874.37	6,649.18	6,506.50	142.69	46.600				
21,800.00	7,875.00	15,453.00	7,939.35	382.62	208.11	92.73	1,156.11	-7,874.37	6,747.04	6,605.39	141.64	47.634				
21,900.00	7,875.00	15,453.00	7,939.35	385.30	208.11	92.73	1,156.11	-7,874.37	6,844.96	6,704.32	140.64	48.672				
22,000.00	7,875.00	15,453.00	7,939.35	387.99	208.11	92.73	1,156.11	-7,874.37	6,942.93	6,803.28	139.66	49.714				
22,100.00	7,875.00	15,453.00	7,939.35	390.68	208.11	92.73	1,156.11	-7,874.37	7,040.97	6,902.26	138.71	50.760				
22,200.00	7,875.00	15,453.00	7,939.35	393.36	208.11	92.73	1,156.11	-7,874.37	7,139.05	7,001.26	137.79	51.810				
22,300.00	7,875.00	15,453.00	7,939.35	396.05	208.11	92.73	1,156.11	-7,874.37	7,237.20	7,100.29	136.90	52.864				
22,400.00	7,875.00	15,453.00	7,939.35	398.73	208.11	92.73	1,156.11	-7,874.37	7,335.39	7,199.35	136.04	53.921				
22,500.00	7,875.00	15,453.00	7,939.35	401.42	208.11	92.73	1,156.11	-7,874.37	7,433.62	7,298.42	135.20	54.981				
22,600.00	7,875.00	15,453.00	7,939.35	404.11	208.11	92.73	1,156.11	-7,874.37	7,531.91	7,397.52	134.39	56.045				
22,700.00	7,875.00	15,453.00	7,939.35	406.79	208.11	92.73	1,156.11	-7,874.37	7,630.24	7,496.64	133.60	57.112				
22,800.00	7,875.00	15,453.00	7,939.35	409.48	208.11	92.73	1,156.11	-7,874.37	7,728.61	7,595.78	132.84	58.181				
22,900.00	7,875.00	15,453.00	7,939.35	412.17	208.11	92.73	1,156.11	-7,874.37	7,827.03	7,694.93	132.09	59.253				
23,000.00	7,875.00	15,453.00	7,939.35	414.85	208.11	92.73	1,156.11	-7,874.37	7,925.48	7,794.11	131.37	60.328				
23,100.00	7,875.00	15,453.00	7,939.35	417.54	208.11	92.73	1,156.11	-7,874.37	8,023.97	7,893.30	130.67	61.405				
23,186.11	7,875.00	15,453.00	7,939.35	419.85	208.11	92.73	1,156.11	-7,874.37	8,108.81	7,978.73	130.09	62.335				

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													SEC 21-T4S-R65W - EXIST HZ GRANDE 4-65 20-19 3AH - STK - FINAL STK		Offset Site Error:		0.00 usft
Survey Program: 2258-MWD OWSG, 10621-MWD OWSG													Offset Well Error:		0.00 usft		
Reference		Offset		Semi Major Axis		Distance								Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor					
0.00	0.00	2,178.05	2,178.02	0.00	0.00	2.34	219.32	8.95	2,190.35								
29.38	29.38	2,178.05	2,178.02	0.01	0.00	128.98	219.32	8.95	2,161.12	2,158.84	2.28	946.066					
59.94	59.94	2,178.05	2,178.02	0.12	0.00	106.98	219.32	8.95	2,130.73	2,128.44	2.28	932.505					
90.50	90.50	2,178.05	2,178.02	0.23	0.00	139.34	219.32	8.95	2,100.34	2,098.06	2.29	918.983					
121.06	121.06	2,178.05	2,178.02	0.34	0.00	143.53	219.32	8.95	2,069.98	2,067.69	2.29	905.570					
151.62	151.62	2,178.05	2,178.02	0.45	0.00	111.41	219.32	8.95	2,039.62	2,037.33	2.29	891.385					
212.74	212.73	2,178.05	2,178.02	0.67	0.00	130.27	219.32	8.95	1,978.91	1,976.61	2.29	862.497					
273.86	273.84	2,178.05	2,178.02	0.89	0.00	117.41	219.32	8.95	1,918.23	1,915.93	2.30	833.245					
316.51	316.48	2,178.05	2,178.02	1.04	0.00	122.61	219.32	8.95	1,875.92	1,873.61	2.31	812.550					
359.16	359.12	2,178.05	2,178.02	1.19	0.00	129.65	219.32	8.95	1,833.65	1,831.34	2.32	791.987					
401.81	401.74	2,178.05	2,178.02	1.35	0.00	135.50	219.32	8.95	1,791.45	1,789.13	2.32	771.475					
444.46	444.34	2,178.05	2,178.02	1.51	0.00	134.52	219.32	8.95	1,749.32	1,746.99	2.33	750.558					
487.11	486.92	2,178.05	2,178.02	1.66	0.00	136.36	219.32	8.95	1,707.24	1,704.90	2.34	729.271					
529.76	529.49	2,178.05	2,178.02	1.82	0.00	136.81	219.32	8.95	1,665.22	1,662.87	2.35	707.809					
572.41	572.04	2,178.05	2,178.02	1.98	0.00	137.42	219.32	8.95	1,623.26	1,620.89	2.37	685.926					
615.06	614.59	2,178.05	2,178.02	2.14	0.00	135.83	219.32	8.95	1,581.33	1,578.95	2.38	663.676					
657.71	657.13	2,178.05	2,178.02	2.30	0.00	136.61	219.32	8.95	1,539.46	1,537.06	2.40	641.458					
700.36	699.68	2,178.05	2,178.02	2.46	0.00	137.29	219.32	8.95	1,497.63	1,495.21	2.42	618.958					
743.01	742.23	2,178.05	2,178.02	2.61	0.00	137.98	219.32	8.95	1,455.83	1,453.39	2.44	596.268					
785.66	784.78	2,178.05	2,178.02	2.77	0.00	142.78	219.32	8.95	1,414.13	1,411.66	2.46	574.278					
828.31	827.31	2,178.05	2,178.02	2.94	0.00	143.62	219.32	8.95	1,372.54	1,370.05	2.49	552.248					
870.96	869.88	2,178.05	2,178.02	3.09	0.00	140.19	219.32	8.95	1,330.93	1,328.41	2.52	528.880					
913.61	912.48	2,178.05	2,178.02	3.25	0.00	144.46	219.32	8.95	1,289.29	1,286.74	2.55	505.533					
956.26	955.09	2,178.05	2,178.02	3.41	0.00	146.99	219.32	8.95	1,247.73	1,245.15	2.58	483.338					
998.91	997.69	2,178.05	2,178.02	3.56	0.00	147.09	219.32	8.95	1,206.26	1,203.65	2.61	461.326					
1,041.56	1,040.31	2,178.05	2,178.02	3.72	0.00	145.78	219.32	8.95	1,164.82	1,162.17	2.65	438.954					
1,084.21	1,082.93	2,178.05	2,178.02	3.87	0.00	147.75	219.32	8.95	1,123.41	1,120.71	2.70	416.711					
1,126.86	1,125.57	2,178.05	2,178.02	4.03	0.00	144.67	219.32	8.95	1,082.07	1,079.33	2.74	395.114					
1,169.51	1,168.19	2,178.05	2,178.02	4.18	0.00	148.67	219.32	8.95	1,040.87	1,038.08	2.78	373.957					
1,212.16	1,210.82	2,178.05	2,178.02	4.34	0.00	155.47	219.32	8.95	999.80	996.96	2.83	352.930					
1,254.81	1,253.45	2,178.05	2,178.02	4.49	0.00	166.20	219.32	8.95	958.85	955.97	2.89	332.052					
1,297.46	1,296.09	2,178.05	2,178.02	4.64	0.00	164.87	219.32	8.95	918.04	915.09	2.95	311.420					
1,340.11	1,338.72	2,178.05	2,178.02	4.79	0.00	169.08	219.32	8.95	877.40	874.39	3.01	291.216					
1,382.76	1,381.36	2,178.05	2,178.02	4.95	0.00	157.93	219.32	8.95	836.99	833.91	3.08	271.392					
1,425.41	1,423.99	2,178.05	2,178.02	5.10	0.00	143.81	219.32	8.95	796.78	793.62	3.17	251.723					
1,468.06	1,466.62	2,178.05	2,178.02	5.26	0.00	139.48	219.32	8.95	756.83	753.57	3.26	232.494					
1,510.71	1,509.24	2,178.05	2,178.02	5.41	0.00	142.84	219.32	8.95	717.21	713.86	3.35	213.778					
1,553.36	1,551.88	2,178.05	2,178.02	5.56	0.00	160.05	219.32	8.95	677.90	674.43	3.47	195.385					
1,596.01	1,594.52	2,178.05	2,178.02	5.72	0.00	156.44	219.32	8.95	638.95	635.35	3.60	177.571					
1,638.66	1,637.16	2,178.05	2,178.02	5.87	0.00	149.25	219.32	8.95	600.44	596.70	3.74	160.392					
1,681.31	1,679.81	2,178.05	2,178.02	6.02	0.00	165.36	219.32	8.95	562.48	558.57	3.91	143.903					
1,723.96	1,722.45	2,178.05	2,178.02	6.17	0.00	154.91	219.32	8.95	525.30	521.20	4.10	128.234					
1,766.61	1,765.10	2,178.05	2,178.02	6.33	0.00	159.02	219.32	8.95	489.02	484.71	4.32	113.324					
1,809.26	1,807.74	2,178.05	2,178.02	6.48	0.00	156.84	219.32	8.95	453.82	449.25	4.57	99.315					
1,851.91	1,850.39	2,178.05	2,178.02	6.63	0.00	145.78	219.32	8.95	420.03	415.17	4.86	86.386					
1,894.56	1,893.03	2,178.05	2,178.02	6.78	0.00	143.11	219.32	8.95	387.99	382.79	5.20	74.613					
1,937.21	1,935.67	2,178.05	2,178.02	6.94	0.00	141.94	219.32	8.95	358.09	352.51	5.58	64.131					
1,979.86	1,978.32	2,178.05	2,178.02	7.09	0.00	141.08	219.32	8.95	330.95	324.95	6.01	55.088					
2,022.51	2,020.96	2,178.05	2,178.02	7.24	0.00	152.50	219.32	8.95	307.40	300.94	6.46	47.596					
2,065.16	2,063.61	2,178.05	2,178.02	7.40	0.00	150.52	219.32	8.95	288.33	281.42	6.91	41.735					
2,107.81	2,106.25	2,178.05	2,178.02	7.55	0.00	170.50	219.32	8.95	274.65	267.34	7.31	37.559					
2,150.46	2,148.89	2,178.05	2,178.02	7.70	0.00	170.39	219.32	8.95	267.22	259.60	7.62	35.085					

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ GRANDE 4-65 20-19 3AH - STK - FINAL STK													Offset Site Error:	0.00 usft
Survey Program: 2258-MWD OWSG, 10621-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
2,176.27	2,174.70	2,178.05	2,178.02	7.75	0.00	170.39	219.32	8.95	265.97	258.28	7.69	34.601	CC, ES	
2,205.46	2,203.89	2,202.58	2,202.55	7.80	0.04	170.41	219.31	8.99	266.44	258.66	7.78	34.242		
2,300.00	2,298.37	2,296.96	2,296.93	7.82	0.28	139.89	219.33	9.05	268.99	260.96	8.03	33.485		
2,340.72	2,339.03	2,337.63	2,337.60	7.83	0.43	136.50	219.35	9.07	270.64	262.45	8.19	33.043		
2,400.00	2,398.21	2,397.33	2,397.30	7.86	0.64	137.02	219.34	9.03	273.24	264.82	8.42	32.452		
2,500.00	2,498.02	2,498.82	2,498.79	7.92	0.98	137.84	219.01	8.72	277.31	268.49	8.82	31.444		
2,600.00	2,597.84	2,596.83	2,596.79	7.99	1.32	138.77	218.17	9.08	281.13	271.91	9.22	30.480		
2,700.00	2,697.65	2,699.54	2,699.50	8.09	1.68	139.59	218.10	9.01	285.66	275.99	9.66	29.556		
2,800.00	2,797.47	2,802.26	2,802.19	8.20	2.04	140.52	216.08	9.07	288.45	278.33	10.12	28.501		
2,900.00	2,897.29	2,891.62	2,891.50	8.32	2.36	141.75	214.51	11.52	292.49	281.95	10.54	27.751		
3,000.00	2,997.10	2,995.82	2,995.67	8.46	2.72	142.85	215.55	13.84	299.06	288.02	11.03	27.105		
3,100.00	3,096.92	3,094.56	3,094.41	8.61	3.07	143.58	215.33	14.02	303.78	292.26	11.52	26.376		
3,200.00	3,196.73	3,192.79	3,192.64	8.78	3.41	144.28	215.89	14.48	309.38	297.37	12.01	25.755		
3,300.00	3,296.55	3,302.02	3,301.85	8.96	3.79	145.04	215.31	14.57	313.89	301.33	12.56	24.986		
3,400.00	3,396.37	3,396.78	3,396.61	9.15	4.13	145.74	214.08	14.66	317.73	304.66	13.07	24.314		
3,500.00	3,496.18	3,495.00	3,494.83	9.35	4.47	146.47	213.56	15.29	322.56	308.96	13.60	23.717		
3,600.00	3,596.00	3,594.72	3,594.54	9.56	4.83	147.12	213.42	15.64	327.65	313.50	14.15	23.156		
3,700.00	3,695.81	3,694.17	3,693.99	9.78	5.18	147.71	213.51	15.82	332.92	318.22	14.71	22.639		
3,800.00	3,795.63	3,795.03	3,794.85	10.01	5.53	148.24	213.52	15.63	337.99	322.72	15.27	22.132		
3,900.00	3,895.45	3,894.28	3,894.10	10.25	5.87	148.82	213.34	15.91	343.13	327.29	15.84	21.660		
4,000.00	3,995.26	3,989.04	3,988.86	10.50	6.21	149.39	213.32	16.42	348.60	332.20	16.40	21.253		
4,100.00	4,095.08	4,075.72	4,075.47	10.76	6.51	149.64	216.47	16.84	357.23	340.31	16.92	21.109		
4,200.00	4,194.89	4,167.24	4,166.78	11.02	6.83	149.79	222.58	17.98	368.91	351.44	17.47	21.120		
4,300.00	4,294.71	4,266.18	4,265.36	11.28	7.17	149.57	230.88	17.44	381.26	363.20	18.06	21.107		
4,400.00	4,394.53	4,358.48	4,357.19	11.56	7.50	149.15	240.15	15.89	394.56	375.94	18.63	21.184		
4,500.00	4,494.34	4,446.99	4,444.96	11.84	7.82	148.62	251.36	14.49	410.24	391.08	19.17	21.404		
4,600.00	4,594.16	4,541.70	4,538.62	12.12	8.16	147.97	265.35	12.94	427.81	408.05	19.76	21.653		
4,700.00	4,693.97	4,649.29	4,644.66	12.41	8.57	146.69	282.32	6.62	444.55	424.09	20.46	21.730		
4,800.00	4,793.79	4,748.33	4,742.07	12.70	8.94	145.23	297.71	-2.53	459.94	438.83	21.11	21.792		
4,900.00	4,893.61	4,834.76	4,826.82	13.00	9.28	143.96	312.59	-10.62	477.11	455.44	21.67	22.017		
5,000.00	4,993.42	4,918.54	4,908.65	13.30	9.62	142.79	329.13	-17.64	497.22	475.01	22.21	22.386		
5,100.00	5,093.24	5,002.91	4,990.66	13.61	9.97	141.67	347.82	-24.22	520.01	497.25	22.76	22.850		
5,200.00	5,193.06	5,079.11	5,064.06	13.92	10.31	140.59	367.26	-30.52	546.04	522.82	23.22	23.512		
5,300.00	5,292.87	5,194.93	5,174.52	14.23	10.84	138.56	398.81	-44.97	572.96	548.87	24.09	23.780		
5,400.00	5,392.69	5,295.39	5,270.51	14.54	11.32	136.74	423.98	-60.59	597.42	572.60	24.83	24.064		
5,500.00	5,492.50	5,372.39	5,344.08	14.86	11.70	135.54	444.01	-71.29	623.62	598.28	25.33	24.615		
5,600.00	5,592.32	5,499.14	5,464.79	15.18	12.34	133.52	476.93	-91.38	650.00	623.67	26.33	24.684		
5,700.00	5,692.14	5,653.29	5,611.47	15.50	13.11	130.44	506.70	-127.97	668.80	641.28	27.52	24.301		
5,800.00	5,791.95	5,724.63	5,679.41	15.83	13.47	129.03	519.00	-145.92	686.54	658.48	28.07	24.462		
5,900.00	5,891.77	5,794.19	5,745.66	16.16	13.83	127.86	533.50	-161.36	708.63	680.07	28.57	24.808		
6,000.00	5,991.58	5,868.60	5,816.63	16.48	14.22	126.90	551.40	-174.69	734.52	705.44	29.08	25.255		
6,100.00	6,091.40	5,957.24	5,901.77	16.81	14.69	126.27	573.77	-184.94	762.24	732.51	29.73	25.642		
6,200.00	6,191.22	6,044.82	5,986.26	17.15	15.13	126.08	596.29	-189.73	790.90	760.56	30.34	26.066		
6,300.00	6,291.03	6,123.33	6,061.85	17.48	15.51	126.16	617.46	-190.64	821.12	790.26	30.86	26.608		
6,400.00	6,390.85	6,199.47	6,134.75	17.82	15.89	126.38	639.36	-189.39	853.37	822.03	31.35	27.223		
6,500.00	6,490.66	6,286.09	6,217.25	18.15	16.32	126.70	665.62	-186.46	887.31	855.37	31.94	27.780		
6,600.00	6,590.48	6,380.15	6,306.76	18.49	16.79	127.08	694.22	-182.51	921.48	888.87	32.61	28.256		
6,700.00	6,690.30	6,474.33	6,396.42	18.83	17.27	127.45	722.75	-178.21	955.61	922.33	33.29	28.708		
6,800.00	6,790.11	6,575.80	6,493.08	19.17	17.78	127.84	753.21	-173.39	989.55	955.51	34.04	29.074		
6,900.00	6,889.93	6,709.38	6,621.28	19.52	18.46	128.28	790.33	-168.01	1,021.25	986.18	35.08	29.116		
7,000.00	6,989.74	6,794.97	6,703.73	19.86	18.89	128.37	813.27	-167.58	1,051.53	1,015.85	35.69	29.466		
7,100.00	7,089.56	6,894.26	6,799.19	20.21	19.42	128.32	840.46	-169.88	1,082.07	1,045.64	36.43	29.702		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ GRANDE 4-65 20-19 3AH - STK - FINAL STK													Offset Site Error:	0.00 usft
Survey Program: 2258-MWD OWSG, 10621-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
7,200.00	7,189.38	6,989.86	6,891.16	20.55	19.93	128.30	866.49	-171.58	1,112.50	1,075.36	37.14	29.952		
7,300.00	7,289.19	7,102.75	6,999.81	20.90	20.54	128.05	896.38	-178.07	1,141.71	1,103.70	38.01	30.037		
7,342.81	7,331.92	7,138.96	7,034.65	21.05	20.74	127.95	905.92	-180.51	1,154.16	1,115.87	38.28	30.150		
7,350.00	7,339.10	7,145.03	7,040.50	21.07	20.77	122.46	907.54	-180.88	1,156.27	1,117.94	38.33	30.169		
7,400.00	7,388.77	7,182.80	7,076.83	21.26	20.98	106.47	917.64	-182.87	1,171.35	1,132.73	38.62	30.333		
7,450.00	7,437.78	7,213.07	7,105.86	21.46	21.15	100.73	926.09	-184.25	1,187.36	1,148.50	38.86	30.555		
7,500.00	7,485.76	7,242.50	7,133.98	21.68	21.31	97.25	934.68	-185.46	1,204.31	1,165.19	39.11	30.789		
7,550.00	7,532.34	7,277.36	7,167.16	21.91	21.51	94.75	945.32	-186.78	1,222.08	1,182.63	39.45	30.982		
7,600.00	7,577.17	7,336.45	7,223.33	22.16	21.85	93.17	963.24	-190.52	1,239.88	1,199.84	40.03	30.972		
7,650.00	7,619.91	7,384.59	7,269.06	22.44	22.13	91.75	977.58	-195.06	1,257.45	1,216.90	40.55	31.010		
7,700.00	7,660.24	7,423.83	7,306.33	22.74	22.37	90.40	989.28	-198.88	1,275.26	1,234.24	41.03	31.084		
7,750.00	7,697.84	7,462.02	7,342.58	23.07	22.59	89.20	1,000.70	-202.60	1,293.42	1,251.88	41.54	31.139		
7,800.00	7,732.43	7,504.66	7,382.81	23.43	22.86	88.23	1,013.63	-208.24	1,311.82	1,269.68	42.14	31.128		
7,850.00	7,763.75	7,548.12	7,423.35	23.84	23.12	87.35	1,027.03	-216.32	1,330.37	1,287.57	42.80	31.081		
7,900.00	7,791.55	7,657.99	7,521.49	24.29	23.86	88.22	1,059.87	-252.42	1,347.50	1,303.34	44.17	30.508		
7,950.00	7,815.64	7,683.88	7,543.49	24.79	24.04	86.95	1,067.65	-263.64	1,364.58	1,319.76	44.83	30.442		
8,000.00	7,835.81	7,708.75	7,564.29	25.35	24.22	85.67	1,075.41	-274.83	1,382.20	1,336.67	45.53	30.361		
8,050.00	7,851.93	8,358.52	7,905.05	25.96	30.21	91.68	1,162.38	-785.50	1,382.28	1,329.82	52.45	26.353		
8,100.00	7,863.86	8,404.61	7,909.79	26.62	30.81	91.57	1,160.44	-831.30	1,380.38	1,326.48	53.89	25.613		
8,150.00	7,871.52	8,474.95	7,912.70	27.33	31.80	91.45	1,157.14	-901.49	1,378.14	1,322.42	55.72	24.735		
8,200.00	7,874.85	8,576.81	7,912.58	28.07	33.34	91.51	1,149.70	-1,003.07	1,374.47	1,316.47	58.00	23.698		
8,213.19	7,875.00	8,597.70	7,912.48	28.27	33.67	91.63	1,147.74	-1,023.87	1,373.24	1,314.71	58.54	23.459		
8,300.00	7,875.00	8,683.57	7,912.05	29.67	35.09	91.62	1,139.15	-1,109.31	1,364.59	1,303.00	61.59	22.155		
8,400.00	7,875.00	8,758.67	7,911.76	31.43	36.42	91.61	1,132.47	-1,184.11	1,355.79	1,290.76	65.03	20.849		
8,500.00	7,875.00	8,826.75	7,911.59	33.31	37.69	91.61	1,127.93	-1,252.04	1,349.17	1,280.64	68.54	19.685		
8,600.00	7,875.00	8,892.26	7,911.47	35.29	38.98	91.61	1,125.18	-1,317.49	1,345.02	1,272.87	72.16	18.641		
8,700.00	7,875.00	8,973.47	7,911.32	37.37	40.65	91.61	1,123.53	-1,398.68	1,342.99	1,266.86	76.14	17.639		
8,779.55	7,875.00	9,033.16	7,911.17	39.08	41.92	91.60	1,122.94	-1,458.37	1,342.29	1,262.99	79.30	16.927		
8,800.00	7,875.00	9,046.63	7,911.14	39.52	42.21	91.60	1,122.97	-1,471.84	1,342.34	1,262.26	80.08	16.762		
8,900.00	7,875.00	9,119.74	7,910.98	41.73	43.81	91.59	1,124.26	-1,544.93	1,344.07	1,259.97	84.10	15.982		
9,000.00	7,875.00	9,234.09	7,910.94	44.00	46.39	91.59	1,126.90	-1,659.25	1,346.48	1,257.50	88.98	15.132		
9,100.00	7,875.00	9,350.64	7,911.01	46.32	49.07	91.59	1,127.30	-1,775.80	1,346.80	1,252.82	93.98	14.330		
9,200.00	7,875.00	9,440.30	7,910.48	48.67	51.17	91.56	1,127.74	-1,865.45	1,347.34	1,248.78	98.55	13.671		
9,300.00	7,875.00	9,529.98	7,909.40	51.05	53.30	91.52	1,129.01	-1,955.12	1,348.76	1,245.58	103.18	13.072		
9,400.00	7,875.00	9,619.17	7,908.06	53.47	55.45	91.46	1,130.88	-2,044.27	1,350.87	1,243.03	107.84	12.527		
9,500.00	7,875.00	9,708.95	7,907.01	55.91	57.64	91.41	1,133.55	-2,134.02	1,353.86	1,241.31	112.55	12.029		
9,600.00	7,875.00	9,798.93	7,906.10	58.37	59.85	91.37	1,136.78	-2,223.93	1,357.48	1,240.19	117.29	11.574		
9,700.00	7,875.00	9,890.71	7,905.06	60.85	62.13	91.32	1,140.87	-2,315.61	1,361.95	1,239.84	122.10	11.154		
9,800.00	7,875.00	9,994.77	7,903.99	63.35	64.74	91.27	1,145.57	-2,419.56	1,366.49	1,239.26	127.23	10.740		
9,900.00	7,875.00	10,111.62	7,902.96	65.86	67.68	91.22	1,150.03	-2,536.32	1,370.37	1,237.70	132.67	10.329		
10,000.00	7,875.00	10,218.33	7,902.06	68.39	70.37	91.18	1,152.91	-2,642.99	1,373.08	1,235.18	137.90	9.957		
10,100.00	7,875.00	10,341.06	7,900.84	70.93	73.48	91.13	1,155.18	-2,765.69	1,374.99	1,231.50	143.49	9.582		
10,200.00	7,875.00	10,461.29	7,899.60	73.48	76.54	91.08	1,155.16	-2,885.91	1,374.96	1,225.93	149.02	9.227		
10,289.60	7,875.00	10,543.82	7,899.14	75.77	78.42	91.06	1,154.73	-2,968.44	1,374.54	1,221.29	153.25	8.969		
10,300.00	7,875.00	10,551.81	7,899.26	76.04	78.56	91.07	1,154.73	-2,976.42	1,374.55	1,220.88	153.67	8.945		
10,400.00	7,875.00	10,621.00	7,902.36	78.61	79.79	91.19	1,155.29	-3,045.53	1,375.61	1,218.02	157.59	8.729		
10,500.00	7,875.00	10,680.11	7,907.40	81.19	80.36	91.40	1,157.24	-3,104.39	1,379.30	1,218.51	160.80	8.578		
10,600.00	7,875.00	10,748.65	7,915.10	83.77	81.05	91.72	1,161.81	-3,172.34	1,386.21	1,222.20	164.01	8.452		
10,700.00	7,875.00	10,847.79	7,926.79	86.36	82.09	92.19	1,168.98	-3,270.53	1,393.93	1,226.37	167.57	8.319		
10,800.00	7,875.00	10,918.59	7,933.59	88.96	82.89	92.46	1,174.86	-3,340.75	1,402.72	1,231.90	170.82	8.212		
10,900.00	7,875.00	10,982.19	7,936.82	91.56	83.64	92.58	1,181.67	-3,403.89	1,413.75	1,239.82	173.93	8.128		
11,000.00	7,875.00	11,000.00	7,937.54	94.17	83.67	92.57	1,202.77	-3,714.36	1,424.59	1,248.34	176.26	8.083		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ GRANDE 4-65 20-19 3AH - STK - FINAL STK													Offset Site Error:	0.00 usft
Survey Program: 2258-MWD OWSG, 10621-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
11,100.00	7,875.00	11,581.85	7,937.88	96.78	91.79	92.64	1,172.34	-4,000.32	1,411.39	1,227.68	183.72	7.682		
11,200.00	7,875.00	11,680.38	7,938.21	99.39	93.26	92.68	1,156.70	-4,097.61	1,395.60	1,207.78	187.82	7.430		
11,300.00	7,875.00	11,750.18	7,938.42	102.01	94.34	92.71	1,146.23	-4,166.62	1,380.77	1,188.50	192.27	7.181		
11,400.00	7,875.00	11,816.79	7,938.44	104.64	95.39	92.73	1,138.00	-4,232.72	1,368.43	1,171.72	196.71	6.957		
11,500.00	7,875.00	11,892.07	7,938.42	107.26	96.61	92.74	1,130.16	-4,307.58	1,358.07	1,156.99	201.08	6.754		
11,600.00	7,875.00	11,977.44	7,938.48	109.89	98.04	92.76	1,122.46	-4,392.60	1,349.12	1,143.69	205.43	6.567		
11,700.00	7,875.00	12,049.64	7,938.61	112.52	99.27	92.78	1,117.02	-4,464.59	1,341.66	1,131.87	209.79	6.395		
11,800.00	7,875.00	12,121.31	7,938.75	115.16	100.53	92.79	1,113.15	-4,536.16	1,336.33	1,122.23	214.10	6.242		
11,900.00	7,875.00	12,192.23	7,938.87	117.80	101.79	92.80	1,110.80	-4,607.04	1,333.09	1,114.74	218.34	6.105		
12,000.00	7,875.00	12,268.00	7,938.99	120.44	103.17	92.81	1,110.17	-4,682.80	1,332.21	1,109.64	222.58	5.985		
12,003.99	7,875.00	12,268.00	7,938.99	120.54	103.17	92.81	1,110.17	-4,682.80	1,332.21	1,109.50	222.71	5.982		
12,100.00	7,875.00	12,315.67	7,939.11	123.08	104.05	92.81	1,111.15	-4,730.46	1,334.09	1,107.78	226.31	5.895		
12,200.00	7,875.00	12,363.00	7,939.32	125.73	104.94	92.82	1,113.55	-4,777.73	1,339.46	1,109.76	229.70	5.831		
12,300.00	7,875.00	12,437.86	7,939.63	128.37	106.36	92.82	1,119.50	-4,852.35	1,347.59	1,114.00	233.58	5.769		
12,400.00	7,875.00	12,625.32	7,939.44	131.02	110.00	92.78	1,132.98	-5,039.28	1,355.76	1,115.57	240.19	5.644		
12,500.00	7,875.00	12,790.07	7,939.32	133.67	113.27	92.78	1,132.96	-5,204.02	1,355.48	1,109.72	245.75	5.516		
12,600.00	7,875.00	12,914.56	7,939.52	136.32	115.78	92.79	1,129.43	-5,328.45	1,352.70	1,102.05	250.65	5.397		
12,700.00	7,875.00	12,997.56	7,939.53	138.97	117.47	92.80	1,126.67	-5,411.40	1,349.47	1,094.26	255.21	5.288		
12,800.00	7,875.00	13,096.72	7,939.28	141.63	119.52	92.79	1,124.56	-5,510.54	1,347.37	1,087.43	259.94	5.183		
12,900.00	7,875.00	13,192.23	7,938.75	144.28	121.52	92.77	1,122.33	-5,606.03	1,345.07	1,080.41	264.66	5.082		
13,000.00	7,875.00	13,299.03	7,938.87	146.94	123.78	92.78	1,119.97	-5,712.80	1,342.93	1,073.41	269.52	4.983		
13,074.70	7,875.00	13,339.74	7,938.86	148.93	124.65	92.78	1,119.30	-5,753.50	1,341.85	1,069.18	272.68	4.921		
13,100.00	7,875.00	13,351.79	7,938.85	149.60	124.91	92.78	1,119.36	-5,765.55	1,341.98	1,068.30	273.68	4.903		
13,200.00	7,875.00	13,403.00	7,938.79	152.26	126.01	92.78	1,120.92	-5,816.74	1,344.93	1,067.44	277.48	4.847		
13,300.00	7,875.00	13,461.60	7,938.78	154.92	127.28	92.77	1,124.66	-5,875.21	1,351.24	1,070.06	281.17	4.806		
13,400.00	7,875.00	13,532.94	7,938.91	157.58	128.85	92.76	1,131.00	-5,946.27	1,360.11	1,075.04	285.07	4.771		
13,500.00	7,875.00	13,664.93	7,938.40	160.24	131.76	92.71	1,143.61	-6,077.65	1,370.01	1,079.01	291.00	4.708		
13,600.00	7,875.00	13,994.67	7,931.93	162.91	139.07	92.46	1,134.31	-6,406.61	1,362.86	1,063.77	299.09	4.557		
13,700.00	7,875.00	14,064.00	7,931.99	165.57	140.61	92.47	1,128.98	-6,475.73	1,355.03	1,051.00	304.04	4.457		
13,800.00	7,875.00	14,169.41	7,932.01	168.24	142.98	92.49	1,121.82	-6,580.90	1,348.34	1,039.38	308.96	4.364		
13,900.00	7,875.00	14,268.79	7,932.18	170.90	145.23	92.51	1,114.13	-6,679.98	1,340.66	1,026.77	313.90	4.271		
14,000.00	7,875.00	14,347.00	7,932.56	173.57	147.01	92.53	1,108.85	-6,758.01	1,333.98	1,015.17	318.81	4.184		
14,100.00	7,875.00	14,420.93	7,933.12	176.24	148.71	92.56	1,105.17	-6,831.84	1,329.07	1,005.43	323.64	4.107		
14,200.00	7,875.00	14,524.64	7,933.98	178.90	151.10	92.61	1,101.07	-6,935.46	1,325.22	996.58	328.64	4.032		
14,300.00	7,875.00	14,577.66	7,934.37	181.57	152.34	92.63	1,099.47	-6,988.45	1,322.48	989.38	333.10	3.970		
14,317.96	7,875.00	14,585.97	7,934.44	182.05	152.53	92.63	1,099.43	-6,996.77	1,322.42	988.58	333.84	3.961		
14,400.00	7,875.00	14,630.00	7,934.84	184.24	153.56	92.65	1,100.24	-7,040.79	1,323.82	986.68	337.14	3.927		
14,500.00	7,875.00	14,687.21	7,935.36	186.91	154.91	92.67	1,103.04	-7,097.92	1,328.58	987.66	340.92	3.897		
14,600.00	7,875.00	14,759.58	7,935.94	189.58	156.62	92.68	1,108.28	-7,170.10	1,335.84	990.88	344.96	3.872		
14,700.00	7,875.00	14,851.99	7,936.57	192.26	158.82	92.69	1,116.28	-7,262.16	1,344.55	994.85	349.70	3.845		
14,800.00	7,875.00	14,980.65	7,937.52	194.93	161.89	92.71	1,126.08	-7,390.44	1,352.27	996.45	355.81	3.801		
14,900.00	7,875.00	15,099.83	7,938.44	197.60	164.75	92.74	1,132.80	-7,509.42	1,357.97	996.47	361.50	3.757		
15,000.00	7,875.00	15,223.83	7,939.43	200.27	167.73	92.77	1,137.75	-7,633.32	1,362.01	994.75	367.26	3.709		
15,100.00	7,875.00	15,342.93	7,940.41	202.95	170.61	92.80	1,141.15	-7,752.37	1,365.01	992.19	372.81	3.661		
15,200.00	7,875.00	15,444.01	7,941.42	205.62	173.06	92.84	1,142.49	-7,853.43	1,366.42	988.50	377.92	3.616		
15,300.00	7,875.00	15,548.20	7,942.60	208.29	175.59	92.89	1,144.50	-7,957.59	1,368.47	985.37	383.10	3.572		
15,400.00	7,875.00	15,659.30	7,943.60	210.97	178.30	92.93	1,145.59	-8,068.68	1,369.54	981.11	388.44	3.526		
15,500.00	7,875.00	15,790.32	7,944.82	213.64	181.50	92.98	1,144.72	-8,199.69	1,368.91	974.84	394.07	3.474		
15,525.54	7,875.00	15,795.00	7,944.86	214.33	181.61	92.98	1,144.64	-8,204.37	1,368.68	973.65	395.04	3.465		
15,600.00	7,875.00	15,795.00	7,944.86	216.32	181.61	92.98	1,144.64	-8,204.37	1,370.71	973.80	396.91	3.453 SF		
15,700.00	7,875.00	15,795.00	7,944.86	218.99	181.61	92.98	1,144.64	-8,204.37	1,379.76	982.14	397.62	3.470		
15,800.00	7,875.00	15,795.00	7,944.86	221.67	181.61	92.98	1,144.64	-8,204.37	1,395.93	999.60	396.33	3.522		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ GRANDE 4-65 20-19 3AH - STK - FINAL STK													Offset Site Error:	0.00 usft
Survey Program: 2258-MWD OWSG, 10621-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
15,900.00	7,875.00	15,795.00	7,944.86	224.35	181.61	92.98	1,144.64	-8,204.37	1,418.98	1,025.77	393.21	3.609		
16,000.00	7,875.00	15,795.00	7,944.86	227.02	181.61	92.98	1,144.64	-8,204.37	1,448.59	1,060.13	388.46	3.729		
16,100.00	7,875.00	15,795.00	7,944.86	229.70	181.61	92.98	1,144.64	-8,204.37	1,484.35	1,102.00	382.35	3.882		
16,200.00	7,875.00	15,795.00	7,944.86	232.38	181.61	92.98	1,144.64	-8,204.37	1,525.84	1,150.68	375.15	4.067		
16,300.00	7,875.00	15,795.00	7,944.86	235.06	181.61	92.98	1,144.64	-8,204.37	1,572.60	1,205.46	367.14	4.283		
16,400.00	7,875.00	15,795.00	7,944.86	237.73	181.61	92.98	1,144.64	-8,204.37	1,624.18	1,265.62	358.56	4.530		
16,500.00	7,875.00	15,795.00	7,944.86	240.41	181.61	92.98	1,144.64	-8,204.37	1,680.14	1,330.50	349.63	4.805		
16,600.00	7,875.00	15,795.00	7,944.86	243.09	181.61	92.98	1,144.64	-8,204.37	1,740.04	1,399.51	340.54	5.110		
16,700.00	7,875.00	15,795.00	7,944.86	245.77	181.61	92.98	1,144.64	-8,204.37	1,803.51	1,472.09	331.42	5.442		
16,800.00	7,875.00	15,795.00	7,944.86	248.45	181.61	92.98	1,144.64	-8,204.37	1,870.17	1,547.76	322.41	5.801		
16,900.00	7,875.00	15,795.00	7,944.86	251.13	181.61	92.98	1,144.64	-8,204.37	1,939.70	1,626.12	313.57	6.186		
17,000.00	7,875.00	15,795.00	7,944.86	253.81	181.61	92.98	1,144.64	-8,204.37	2,011.79	1,706.81	304.99	6.596		
17,100.00	7,875.00	15,795.00	7,944.86	256.49	181.61	92.98	1,144.64	-8,204.37	2,086.19	1,789.50	296.70	7.031		
17,200.00	7,875.00	15,795.00	7,944.86	259.17	181.61	92.98	1,144.64	-8,204.37	2,162.66	1,873.94	288.72	7.490		
17,300.00	7,875.00	15,795.00	7,944.86	261.85	181.61	92.98	1,144.64	-8,204.37	2,240.98	1,959.90	281.08	7.973		
17,400.00	7,875.00	15,795.00	7,944.86	264.53	181.61	92.98	1,144.64	-8,204.37	2,320.97	2,047.18	273.79	8.477		
17,500.00	7,875.00	15,795.00	7,944.86	267.21	181.61	92.98	1,144.64	-8,204.37	2,402.45	2,135.62	266.83	9.004		
17,600.00	7,875.00	15,795.00	7,944.86	269.89	181.61	92.98	1,144.64	-8,204.37	2,485.29	2,225.08	260.21	9.551		
17,700.00	7,875.00	15,795.00	7,944.86	272.57	181.61	92.98	1,144.64	-8,204.37	2,569.35	2,315.44	253.91	10.119		
17,800.00	7,875.00	15,795.00	7,944.86	275.25	181.61	92.98	1,144.64	-8,204.37	2,654.51	2,406.58	247.93	10.707		
17,900.00	7,875.00	15,795.00	7,944.86	277.94	181.61	92.98	1,144.64	-8,204.37	2,740.68	2,498.43	242.25	11.313		
18,000.00	7,875.00	15,795.00	7,944.86	280.62	181.61	92.98	1,144.64	-8,204.37	2,827.76	2,590.91	236.85	11.939		
18,100.00	7,875.00	15,795.00	7,944.86	283.30	181.61	92.98	1,144.64	-8,204.37	2,915.67	2,683.94	231.73	12.582		
18,200.00	7,875.00	15,795.00	7,944.86	285.98	181.61	92.98	1,144.64	-8,204.37	3,004.33	2,777.46	226.87	13.243		
18,300.00	7,875.00	15,795.00	7,944.86	288.66	181.61	92.98	1,144.64	-8,204.37	3,093.69	2,871.44	222.25	13.920		
18,400.00	7,875.00	15,795.00	7,944.86	291.35	181.61	92.98	1,144.64	-8,204.37	3,183.68	2,965.82	217.86	14.614		
18,500.00	7,875.00	15,795.00	7,944.86	294.03	181.61	92.98	1,144.64	-8,204.37	3,274.25	3,060.56	213.68	15.323		
18,600.00	7,875.00	15,795.00	7,944.86	296.71	181.61	92.98	1,144.64	-8,204.37	3,365.35	3,155.63	209.72	16.047		
18,700.00	7,875.00	15,795.00	7,944.86	299.39	181.61	92.98	1,144.64	-8,204.37	3,456.95	3,251.01	205.94	16.786		
18,800.00	7,875.00	15,795.00	7,944.86	302.08	181.61	92.98	1,144.64	-8,204.37	3,548.99	3,346.65	202.34	17.539		
18,900.00	7,875.00	15,795.00	7,944.86	304.76	181.61	92.98	1,144.64	-8,204.37	3,641.42	3,442.54	198.92	18.306		
19,000.00	7,875.00	15,795.00	7,944.86	307.44	181.61	92.98	1,144.64	-8,204.37	3,734.32	3,538.66	195.66	19.086		
19,100.00	7,875.00	15,795.00	7,944.86	310.13	181.61	92.98	1,144.64	-8,204.37	3,827.54	3,634.99	192.54	19.879		
19,200.00	7,875.00	15,795.00	7,944.86	312.81	181.61	92.98	1,144.64	-8,204.37	3,921.09	3,731.52	189.57	20.684		
19,300.00	7,875.00	15,795.00	7,944.86	315.49	181.61	92.98	1,144.64	-8,204.37	4,014.95	3,828.21	186.74	21.501		
19,400.00	7,875.00	15,795.00	7,944.86	318.18	181.61	92.98	1,144.64	-8,204.37	4,109.10	3,925.08	184.02	22.329		
19,500.00	7,875.00	15,795.00	7,944.86	320.86	181.61	92.98	1,144.64	-8,204.37	4,203.52	4,022.09	181.43	23.168		
19,600.00	7,875.00	15,795.00	7,944.86	323.54	181.61	92.98	1,144.64	-8,204.37	4,298.20	4,119.24	178.96	24.018		
19,700.00	7,875.00	15,795.00	7,944.86	326.23	181.61	92.98	1,144.64	-8,204.37	4,393.11	4,216.52	176.58	24.878		
19,800.00	7,875.00	15,795.00	7,944.86	328.91	181.61	92.98	1,144.64	-8,204.37	4,488.24	4,313.93	174.31	25.748		
19,900.00	7,875.00	15,795.00	7,944.86	331.60	181.61	92.98	1,144.64	-8,204.37	4,583.58	4,411.44	172.13	26.628		
20,000.00	7,875.00	15,795.00	7,944.86	334.28	181.61	92.98	1,144.64	-8,204.37	4,679.11	4,509.06	170.05	27.517		
20,100.00	7,875.00	15,795.00	7,944.86	336.97	181.61	92.98	1,144.64	-8,204.37	4,774.82	4,606.78	168.04	28.414		
20,200.00	7,875.00	15,795.00	7,944.86	339.65	181.61	92.98	1,144.64	-8,204.37	4,870.71	4,704.59	166.12	29.320		
20,300.00	7,875.00	15,795.00	7,944.86	342.34	181.61	92.98	1,144.64	-8,204.37	4,966.76	4,802.49	164.28	30.234		
20,400.00	7,875.00	15,795.00	7,944.86	345.02	181.61	92.98	1,144.64	-8,204.37	5,062.97	4,900.46	162.50	31.156		
20,500.00	7,875.00	15,795.00	7,944.86	347.71	181.61	92.98	1,144.64	-8,204.37	5,159.31	4,998.51	160.80	32.085		
20,600.00	7,875.00	15,795.00	7,944.86	350.39	181.61	92.98	1,144.64	-8,204.37	5,255.80	5,096.64	159.16	33.022		
20,700.00	7,875.00	15,795.00	7,944.86	353.08	181.61	92.98	1,144.64	-8,204.37	5,352.41	5,194.83	157.58	33.966		
20,800.00	7,875.00	15,795.00	7,944.86	355.76	181.61	92.98	1,144.64	-8,204.37	5,449.15	5,293.08	156.06	34.916		
20,900.00	7,875.00	15,795.00	7,944.86	358.45	181.61	92.98	1,144.64	-8,204.37	5,546.00	5,391.40	154.60	35.873		
21,000.00	7,875.00	15,795.00	7,944.86	361.13	181.61	92.98	1,144.64	-8,204.37	5,642.96	5,489.77	153.19	36.836		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ GRANDE 4-65 20-19 3AH - STK - FINAL STK													Offset Site Error:	0.00 usft
Survey Program: 2258-MWD OWSG, 10621-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
21,100.00	7,875.00	15,795.00	7,944.86	363.82	181.61	92.98	1,144.64	-8,204.37	5,740.02	5,588.19	151.83	37.804		
21,200.00	7,875.00	15,795.00	7,944.86	366.50	181.61	92.98	1,144.64	-8,204.37	5,837.19	5,686.66	150.53	38.779		
21,300.00	7,875.00	15,795.00	7,944.86	369.19	181.61	92.98	1,144.64	-8,204.37	5,934.45	5,785.18	149.26	39.759		
21,400.00	7,875.00	15,795.00	7,944.86	371.87	181.61	92.98	1,144.64	-8,204.37	6,031.79	5,883.75	148.04	40.744		
21,500.00	7,875.00	15,795.00	7,944.86	374.56	181.61	92.98	1,144.64	-8,204.37	6,129.23	5,982.36	146.87	41.734		
21,600.00	7,875.00	15,795.00	7,944.86	377.25	181.61	92.98	1,144.64	-8,204.37	6,226.74	6,081.01	145.73	42.728		
21,700.00	7,875.00	15,795.00	7,944.86	379.93	181.61	92.98	1,144.64	-8,204.37	6,324.34	6,179.70	144.63	43.727		
21,800.00	7,875.00	15,795.00	7,944.86	382.62	181.61	92.98	1,144.64	-8,204.37	6,422.00	6,278.43	143.57	44.731		
21,900.00	7,875.00	15,795.00	7,944.86	385.30	181.61	92.98	1,144.64	-8,204.37	6,519.74	6,377.19	142.54	45.738		
22,000.00	7,875.00	15,795.00	7,944.86	387.99	181.61	92.98	1,144.64	-8,204.37	6,617.54	6,475.99	141.55	46.750		
22,100.00	7,875.00	15,795.00	7,944.86	390.68	181.61	92.98	1,144.64	-8,204.37	6,715.41	6,574.82	140.59	47.765		
22,200.00	7,875.00	15,795.00	7,944.86	393.36	181.61	92.98	1,144.64	-8,204.37	6,813.35	6,673.68	139.66	48.784		
22,300.00	7,875.00	15,795.00	7,944.86	396.05	181.61	92.98	1,144.64	-8,204.37	6,911.34	6,772.57	138.77	49.806		
22,400.00	7,875.00	15,795.00	7,944.86	398.73	181.61	92.98	1,144.64	-8,204.37	7,009.38	6,871.49	137.90	50.831		
22,500.00	7,875.00	15,795.00	7,944.86	401.42	181.61	92.98	1,144.64	-8,204.37	7,107.49	6,970.43	137.05	51.859		
22,600.00	7,875.00	15,795.00	7,944.86	404.11	181.61	92.98	1,144.64	-8,204.37	7,205.64	7,069.40	136.24	52.891		
22,700.00	7,875.00	15,795.00	7,944.86	406.79	181.61	92.98	1,144.64	-8,204.37	7,303.84	7,168.40	135.45	53.925		
22,800.00	7,875.00	15,795.00	7,944.86	409.48	181.61	92.98	1,144.64	-8,204.37	7,402.10	7,267.42	134.68	54.961		
22,900.00	7,875.00	15,795.00	7,944.86	412.17	181.61	92.98	1,144.64	-8,204.37	7,500.39	7,366.46	133.94	56.000		
23,000.00	7,875.00	15,795.00	7,944.86	414.85	181.61	92.98	1,144.64	-8,204.37	7,598.74	7,465.52	133.22	57.041		
23,100.00	7,875.00	15,795.00	7,944.86	417.54	181.61	92.98	1,144.64	-8,204.37	7,697.12	7,564.61	132.52	58.084		
23,186.11	7,875.00	15,795.00	7,944.86	419.85	181.61	92.98	1,144.64	-8,204.37	7,781.87	7,649.94	131.93	58.984		

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ SUNSET 4-65 21-22 1AH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 30-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	51.54	51.54	0.00	0.09	7.44	3,029.70	395.76	3,055.44					
29.38	29.38	74.83	74.83	0.01	0.17	132.17	3,029.69	395.82	3,055.48	3,055.30	0.18	N/A		
59.94	59.94	123.31	123.31	0.12	0.34	110.21	3,029.57	395.80	3,055.48	3,055.02	0.46	6,649.976		
90.50	90.50	171.43	171.42	0.23	0.51	141.53	3,029.12	395.57	3,055.26	3,054.52	0.74	4,126.294		
121.06	121.06	211.03	211.02	0.34	0.65	144.34	3,028.64	395.36	3,055.14	3,054.15	0.99	3,083.476		
151.62	151.62	237.45	237.44	0.45	0.75	110.05	3,028.30	395.11	3,054.94	3,053.74	1.19	2,558.159		
212.74	212.73	302.63	302.61	0.67	0.98	130.36	3,027.49	394.39	3,054.47	3,052.83	1.65	1,855.854		
273.86	273.84	372.30	372.26	0.89	1.23	114.01	3,026.55	393.08	3,053.96	3,051.85	2.11	1,444.863		
316.51	316.48	428.27	428.19	1.04	1.43	117.37	3,025.65	391.42	3,053.51	3,051.04	2.47	1,237.762		
359.16	359.12	483.22	483.11	1.19	1.63	121.64	3,024.58	389.68	3,053.11	3,050.29	2.82	1,083.583		
401.81	401.74	543.31	543.15	1.35	1.85	125.10	3,023.12	387.60	3,052.79	3,049.60	3.19	957.644		
444.46	444.34	599.33	599.10	1.51	2.05	121.04	3,021.41	385.67	3,052.40	3,048.85	3.54	861.173		
487.11	486.92	638.29	638.02	1.66	2.20	121.02	3,020.25	384.15	3,052.15	3,048.30	3.84	794.701		
529.76	529.49	685.96	685.62	1.82	2.37	119.61	3,018.76	382.06	3,051.93	3,047.76	4.17	731.992		
562.33	561.98	709.82	709.45	1.94	2.46	120.13	3,018.06	380.98	3,051.87	3,047.50	4.38	697.467 CC		
572.41	572.04	713.73	713.35	1.98	2.47	120.29	3,017.95	380.81	3,051.88	3,047.45	4.43	689.382		
615.06	614.59	735.91	735.51	2.14	2.55	117.29	3,017.43	379.90	3,052.07	3,047.40	4.66	654.269 ES		
657.71	657.13	756.43	756.01	2.30	2.63	116.94	3,017.08	379.23	3,052.57	3,047.68	4.90	623.375		
700.36	699.68	776.28	775.86	2.46	2.70	120.34	3,016.88	378.67	3,053.42	3,048.29	5.13	595.696		
743.01	742.23	799.13	798.70	2.61	2.78	121.31	3,016.82	378.08	3,054.58	3,049.21	5.36	569.370		
785.66	784.78	859.70	859.25	2.77	3.00	125.77	3,016.64	376.74	3,055.98	3,050.25	5.74	532.480		
828.31	827.31	909.25	908.79	2.94	3.18	126.95	3,016.19	375.82	3,057.37	3,051.30	6.08	503.255		
870.96	869.88	944.18	943.71	3.09	3.30	127.26	3,015.90	375.09	3,058.51	3,052.15	6.36	481.118		
913.61	912.48	969.93	969.46	3.25	3.39	133.87	3,015.77	374.59	3,059.50	3,052.90	6.60	463.285		
956.26	955.09	1,001.94	1,001.47	3.41	3.51	136.26	3,015.73	374.16	3,060.75	3,053.88	6.87	445.434		
998.91	997.69	1,029.38	1,028.90	3.56	3.60	136.55	3,015.80	374.04	3,062.28	3,055.16	7.12	430.101		
1,041.56	1,040.31	1,057.31	1,056.83	3.72	3.69	136.77	3,015.99	374.10	3,063.83	3,056.47	7.37	415.878		
1,084.21	1,082.93	1,104.20	1,103.71	3.87	3.85	139.97	3,016.35	374.54	3,065.20	3,057.53	7.67	399.467		
1,126.86	1,125.57	1,146.07	1,145.58	4.03	3.98	136.03	3,016.64	374.88	3,066.49	3,058.53	7.96	385.027		
1,169.51	1,168.19	1,178.85	1,178.36	4.18	4.09	140.25	3,016.98	374.74	3,067.96	3,059.73	8.23	372.849		
1,212.16	1,210.82	1,217.26	1,216.77	4.34	4.23	148.17	3,017.56	374.02	3,069.59	3,061.08	8.52	360.487		
1,254.81	1,253.45	1,276.23	1,275.70	4.49	4.44	160.25	3,018.37	372.34	3,071.11	3,062.23	8.88	345.987		
1,297.46	1,296.09	1,303.94	1,303.39	4.64	4.53	158.94	3,018.78	371.38	3,072.56	3,063.43	9.12	336.724		
1,340.11	1,338.72	1,343.77	1,343.17	4.79	4.68	163.35	3,019.55	369.69	3,074.17	3,064.75	9.42	326.424		
1,382.76	1,381.36	1,388.51	1,387.84	4.95	4.84	151.03	3,020.45	367.33	3,075.83	3,066.10	9.73	316.111		
1,425.41	1,423.99	1,434.01	1,433.24	5.10	5.00	135.91	3,021.42	364.33	3,077.34	3,067.30	10.05	306.261		
1,468.06	1,466.62	1,459.99	1,459.13	5.26	5.10	130.61	3,022.06	362.26	3,078.85	3,068.56	10.30	299.051		
1,510.71	1,509.24	1,482.33	1,481.36	5.41	5.18	134.26	3,022.78	360.22	3,080.70	3,070.17	10.53	292.585		
1,553.36	1,551.88	1,509.81	1,508.68	5.56	5.28	153.44	3,023.86	357.52	3,082.67	3,071.89	10.78	285.925		
1,596.01	1,594.52	1,542.26	1,540.94	5.72	5.40	149.56	3,025.31	354.24	3,084.73	3,073.68	11.05	279.115		
1,638.66	1,637.16	1,580.61	1,579.03	5.87	5.54	142.44	3,027.09	350.23	3,086.72	3,075.38	11.35	272.057		
1,681.31	1,679.81	1,619.93	1,618.06	6.02	5.69	158.88	3,029.04	345.78	3,088.70	3,077.06	11.64	265.248		
1,723.96	1,722.45	1,665.18	1,662.88	6.17	5.86	147.80	3,031.25	340.03	3,090.71	3,078.74	11.97	258.220		
1,766.61	1,765.10	1,688.28	1,685.71	6.33	5.95	152.12	3,032.53	336.74	3,092.94	3,080.73	12.21	253.367		
1,809.26	1,807.74	1,721.35	1,718.33	6.48	6.07	149.82	3,034.57	331.69	3,095.32	3,082.84	12.49	247.890		
1,851.91	1,850.39	1,776.53	1,772.73	6.63	6.29	138.12	3,037.97	323.09	3,097.77	3,084.91	12.86	240.888		
1,894.56	1,893.03	1,807.60	1,803.33	6.78	6.42	135.48	3,039.85	318.05	3,100.13	3,086.99	13.13	236.023		
1,937.21	1,935.67	1,839.85	1,835.06	6.94	6.55	134.26	3,041.96	312.66	3,102.57	3,089.15	13.42	231.249		
1,979.86	1,978.32	1,883.47	1,877.80	7.09	6.73	133.28	3,044.98	304.48	3,105.04	3,091.29	13.75	225.816		
2,022.51	2,020.96	2,022.51	1,939.29	7.24	7.32	144.53	3,049.05	292.09	3,107.35	3,092.85	14.50	214.262		
2,065.16	2,063.61	1,982.06	1,974.23	7.40	7.15	142.41	3,051.25	284.99	3,109.64	3,095.16	14.48	214.771		
2,107.81	2,106.25	2,019.52	2,010.83	7.55	7.31	162.37	3,053.75	277.39	3,112.19	3,097.40	14.79	210.391		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ SUNSET 4-65 21-22 1AH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 30-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
2,150.46	2,148.89	2,071.86	2,062.06	7.70	7.54	162.06	3,057.10	267.21	3,114.77	3,099.59	15.17	205.273		
2,205.46	2,203.89	2,148.03	2,136.86	7.80	7.87	161.81	3,061.44	253.50	3,117.83	3,102.22	15.61	199.782		
2,300.00	2,298.37	2,261.92	2,248.94	7.82	8.36	130.57	3,067.05	234.11	3,123.19	3,107.08	16.11	193.812		
2,340.72	2,339.03	2,310.97	2,297.33	7.83	8.57	126.74	3,069.19	226.37	3,125.74	3,109.40	16.34	191.299		
2,400.00	2,398.21	2,382.61	2,368.13	7.86	8.88	126.60	3,072.00	215.75	3,129.43	3,112.75	16.67	187.693		
2,500.00	2,498.02	2,427.19	2,412.03	7.92	9.07	126.50	3,074.39	208.38	3,136.62	3,119.71	16.91	185.480		
2,600.00	2,597.84	2,492.00	2,475.78	7.99	9.36	126.35	3,078.46	197.44	3,145.03	3,127.77	17.26	182.242		
2,700.00	2,697.65	2,571.53	2,553.75	8.09	9.72	126.15	3,084.21	182.87	3,154.35	3,136.65	17.70	178.232		
2,800.00	2,797.47	2,669.00	2,649.00	8.20	10.17	125.87	3,091.60	163.54	3,164.00	3,145.75	18.25	173.360		
2,900.00	2,897.29	2,775.31	2,752.88	8.32	10.68	125.57	3,099.45	142.35	3,173.51	3,154.64	18.87	168.197		
3,000.00	2,997.10	2,865.55	2,841.17	8.46	11.10	125.33	3,106.21	124.99	3,183.25	3,163.83	19.42	163.925		
3,100.00	3,096.92	2,966.02	2,939.45	8.61	11.58	125.06	3,113.80	105.54	3,193.11	3,173.08	20.03	159.377		
3,200.00	3,196.73	3,065.34	3,036.70	8.78	12.05	124.80	3,121.12	86.78	3,202.89	3,182.23	20.66	155.032		
3,300.00	3,296.55	3,162.47	3,131.72	8.96	12.51	124.54	3,128.47	68.02	3,212.90	3,191.61	21.29	150.941		
3,400.00	3,396.37	3,272.08	3,239.22	9.15	13.03	124.28	3,136.44	48.12	3,222.72	3,200.74	21.98	146.597		
3,500.00	3,496.18	3,371.78	3,337.06	9.35	13.50	124.04	3,143.45	30.26	3,232.39	3,209.75	22.64	142.779		
3,600.00	3,596.00	3,467.84	3,431.31	9.56	13.95	123.81	3,150.28	13.06	3,242.18	3,218.89	23.29	139.221		
3,700.00	3,695.81	3,562.95	3,524.63	9.78	14.40	123.59	3,157.13	-3.99	3,252.12	3,228.17	23.94	135.829		
3,800.00	3,795.63	3,667.28	3,627.01	10.01	14.89	123.35	3,164.56	-22.64	3,262.03	3,237.38	24.65	132.320		
3,900.00	3,895.45	3,757.93	3,715.94	10.25	15.32	123.14	3,171.10	-38.94	3,272.08	3,246.78	25.30	129.316		
4,000.00	3,995.26	3,854.66	3,810.90	10.50	15.78	122.92	3,178.24	-55.96	3,282.35	3,256.36	25.99	126.289		
4,100.00	4,095.08	4,004.92	3,958.26	10.76	16.50	122.57	3,188.57	-83.42	3,292.31	3,265.35	26.96	122.128		
4,200.00	4,194.89	4,068.89	4,021.00	11.02	16.81	122.42	3,192.62	-95.25	3,301.65	3,274.14	27.50	120.050		
4,300.00	4,294.71	4,199.70	4,149.25	11.28	17.44	122.11	3,201.30	-119.44	3,311.42	3,283.03	28.39	116.645		
4,400.00	4,394.53	4,298.05	4,245.80	11.56	17.91	121.89	3,207.10	-137.30	3,320.43	3,291.31	29.12	114.040		
4,500.00	4,494.34	4,401.11	4,346.97	11.84	18.40	121.65	3,213.19	-155.97	3,329.50	3,299.63	29.87	111.464		
4,600.00	4,594.16	4,501.01	4,445.11	12.12	18.87	121.43	3,218.84	-173.75	3,338.38	3,307.76	30.62	109.044		
4,700.00	4,693.97	4,600.99	4,543.18	12.41	19.35	121.20	3,224.65	-192.32	3,347.46	3,316.10	31.37	106.722		
4,800.00	4,793.79	4,700.96	4,641.39	12.70	19.83	120.99	3,230.30	-210.12	3,356.43	3,324.31	32.12	104.496		
4,900.00	4,893.61	4,794.00	4,732.64	13.00	20.28	120.77	3,235.64	-227.48	3,365.55	3,332.70	32.85	102.457		
5,000.00	4,993.42	4,877.83	4,814.83	13.30	20.68	120.58	3,240.70	-243.19	3,375.01	3,341.47	33.53	100.646		
5,100.00	5,093.24	4,969.08	4,904.40	13.61	21.12	120.38	3,246.56	-259.58	3,384.89	3,350.64	34.25	98.816		
5,200.00	5,193.06	5,057.57	4,991.24	13.92	21.55	120.19	3,252.44	-275.56	3,395.04	3,360.07	34.97	97.095		
5,300.00	5,292.87	5,169.57	5,100.98	14.23	22.09	119.93	3,259.88	-296.64	3,405.27	3,369.47	35.81	95.102		
5,400.00	5,392.69	5,239.51	5,169.47	14.54	22.44	119.77	3,264.67	-309.96	3,415.74	3,379.31	36.43	93.751		
5,500.00	5,492.50	5,367.75	5,295.07	14.86	23.07	119.48	3,273.31	-334.39	3,426.16	3,388.79	37.37	91.686		
5,600.00	5,592.32	5,450.08	5,375.78	15.18	23.47	119.30	3,278.77	-349.70	3,436.51	3,398.45	38.06	90.285		
5,700.00	5,692.14	5,544.32	5,468.04	15.50	23.93	119.08	3,285.29	-367.75	3,447.24	3,408.41	38.82	88.791		
5,800.00	5,791.95	5,657.32	5,578.63	15.83	24.49	118.82	3,292.89	-389.70	3,457.84	3,418.15	39.69	87.119		
5,900.00	5,891.77	5,755.59	5,674.81	16.16	24.98	118.59	3,299.19	-408.87	3,468.19	3,427.71	40.48	85.674		
6,000.00	5,991.58	5,863.57	5,780.53	16.48	25.52	118.35	3,306.19	-429.70	3,478.65	3,437.33	41.32	84.181		
6,100.00	6,091.40	5,968.77	5,883.61	16.81	26.03	118.12	3,312.65	-449.70	3,488.81	3,446.66	42.15	82.772		
6,200.00	6,191.22	6,068.79	5,981.74	17.15	26.52	117.91	3,318.76	-468.01	3,498.93	3,455.99	42.94	81.478		
6,300.00	6,291.03	6,152.43	6,063.79	17.48	26.92	117.73	3,323.94	-483.45	3,509.21	3,465.56	43.65	80.386		
6,400.00	6,390.85	6,227.19	6,137.12	17.82	27.29	117.58	3,329.07	-497.01	3,520.16	3,475.85	44.32	79.431		
6,500.00	6,490.66	6,315.65	6,223.96	18.15	27.71	117.41	3,335.63	-512.54	3,531.65	3,486.60	45.05	78.398		
6,600.00	6,590.48	6,476.82	6,382.11	18.49	28.49	117.09	3,346.38	-541.64	3,542.51	3,496.35	46.16	76.742		
6,700.00	6,690.30	6,534.09	6,438.30	18.83	28.77	116.98	3,350.09	-552.13	3,553.14	3,506.40	46.74	76.022		
6,800.00	6,790.11	6,600.78	6,503.76	19.17	29.09	116.85	3,355.10	-563.85	3,564.81	3,517.45	47.36	75.271		
6,900.00	6,889.93	6,767.33	6,667.20	19.52	29.89	116.53	3,366.33	-593.77	3,575.75	3,527.24	48.51	73.719		
7,000.00	6,989.74	6,873.79	6,771.88	19.86	30.40	116.34	3,372.55	-612.14	3,585.84	3,536.51	49.33	72.690		
7,100.00	7,089.56	6,974.26	6,870.73	20.21	30.87	116.16	3,378.38	-629.20	3,595.91	3,545.79	50.12	71.741		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ SUNSET 4-65 21-22 1AH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 30-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
7,200.00	7,189.38	7,077.98	6,972.84	20.55	31.35	115.98	3,384.24	-646.40	3,605.81	3,554.88	50.93	70.798		
7,300.00	7,289.19	7,146.17	7,039.94	20.90	31.67	115.86	3,388.20	-657.90	3,616.01	3,564.45	51.56	70.130		
7,342.81	7,331.92	7,164.66	7,058.11	21.05	31.76	115.83	3,389.45	-661.07	3,620.77	3,568.99	51.78	69.932		
7,350.00	7,339.10	7,167.77	7,061.16	21.07	31.78	110.48	3,389.67	-661.60	3,621.59	3,569.78	51.81	69.899		
7,400.00	7,388.77	7,189.42	7,082.43	21.26	31.88	95.44	3,391.31	-665.33	3,627.28	3,575.21	52.07	69.657		
7,450.00	7,437.78	7,214.00	7,106.55	21.46	32.00	90.66	3,393.38	-669.60	3,632.87	3,580.50	52.37	69.371		
7,500.00	7,485.76	7,483.86	7,373.72	21.68	32.79	89.61	3,414.59	-663.35	3,637.55	3,584.06	53.49	68.006		
7,550.00	7,532.34	7,566.18	7,453.28	21.91	32.89	89.04	3,419.35	-642.81	3,639.36	3,585.49	53.87	67.564		
7,600.00	7,577.17	7,590.41	7,476.33	22.16	32.92	88.42	3,420.71	-635.51	3,640.85	3,586.69	54.16	67.222		
7,650.00	7,619.91	7,608.14	7,493.03	22.44	32.93	87.97	3,421.82	-629.63	3,642.45	3,587.98	54.47	66.871		
7,700.00	7,660.24	7,622.80	7,506.69	22.74	32.94	87.62	3,422.80	-624.41	3,644.19	3,589.39	54.80	66.500		
7,750.00	7,697.84	7,634.49	7,517.49	23.07	32.95	87.32	3,423.62	-620.04	3,646.13	3,590.97	55.16	66.106		
7,800.00	7,732.43	7,660.00	7,540.78	23.43	32.97	87.27	3,425.56	-609.79	3,648.37	3,592.80	55.57	65.655		
7,850.00	7,763.75	7,660.00	7,540.78	23.84	32.97	86.87	3,425.56	-609.79	3,650.72	3,594.74	55.98	65.213		
7,900.00	7,791.55	7,660.00	7,540.78	24.29	32.97	86.48	3,425.56	-609.79	3,653.35	3,596.91	56.44	64.732		
7,950.00	7,815.64	7,660.00	7,540.78	24.79	32.97	86.09	3,425.56	-609.79	3,656.23	3,599.29	56.94	64.209		
8,000.00	7,835.81	7,660.00	7,540.78	25.35	32.97	85.71	3,425.56	-609.79	3,659.35	3,601.85	57.50	63.643		
8,050.00	7,851.93	7,660.00	7,540.78	25.96	32.97	85.32	3,425.56	-609.79	3,662.67	3,604.56	58.10	63.037		
8,100.00	7,863.86	7,660.00	7,540.78	26.62	32.97	84.93	3,425.56	-609.79	3,666.17	3,607.41	58.76	62.396		
8,150.00	7,871.52	7,660.00	7,540.78	27.33	32.97	84.54	3,425.56	-609.79	3,669.82	3,610.37	59.45	61.727		
8,200.00	7,874.85	7,660.00	7,540.78	28.07	32.97	84.15	3,425.56	-609.79	3,673.60	3,613.41	60.18	61.039		
8,213.19	7,875.00	7,660.00	7,540.78	28.27	32.97	84.05	3,425.56	-609.79	3,674.61	3,614.23	60.38	60.856		
8,300.00	7,875.00	7,623.94	7,507.74	29.67	32.94	83.54	3,422.88	-624.00	3,681.83	3,620.16	61.67	59.699		
8,400.00	7,875.00	7,611.35	7,496.02	31.43	32.93	83.35	3,422.03	-628.51	3,692.78	3,629.45	63.32	58.315		
8,500.00	7,875.00	7,599.96	7,485.34	33.31	32.92	83.18	3,421.30	-632.40	3,706.28	3,641.21	65.07	56.962		
8,600.00	7,875.00	7,571.00	7,457.88	35.29	32.90	82.76	3,419.61	-641.43	3,722.47	3,655.64	66.83	55.701		
8,700.00	7,875.00	7,571.00	7,457.88	37.37	32.90	82.76	3,419.61	-641.43	3,740.92	3,672.22	68.70	54.453		
8,800.00	7,875.00	7,571.00	7,457.88	39.52	32.90	82.76	3,419.61	-641.43	3,761.94	3,691.35	70.60	53.289		
8,900.00	7,875.00	7,554.58	7,442.16	41.73	32.88	82.51	3,418.71	-646.07	3,785.43	3,712.97	72.45	52.246		
9,000.00	7,875.00	7,538.80	7,426.99	44.00	32.86	82.27	3,417.82	-650.31	3,811.27	3,736.96	74.31	51.289		
9,100.00	7,875.00	7,524.54	7,413.22	46.32	32.84	82.06	3,417.01	-653.96	3,839.45	3,763.29	76.16	50.416		
9,200.00	7,875.00	7,511.60	7,400.70	48.67	32.82	81.86	3,416.25	-657.10	3,869.92	3,791.94	77.98	49.627		
9,300.00	7,875.00	7,482.00	7,371.90	51.05	32.79	81.42	3,414.48	-663.74	3,902.71	3,822.99	79.72	48.953		
9,400.00	7,875.00	7,482.00	7,371.90	53.47	32.79	81.42	3,414.48	-663.74	3,937.57	3,856.04	81.52	48.301		
9,500.00	7,875.00	7,482.00	7,371.90	55.91	32.79	81.42	3,414.48	-663.74	3,974.63	3,891.35	83.28	47.726		
9,600.00	7,875.00	7,482.00	7,371.90	58.37	32.79	81.42	3,414.48	-663.74	4,013.84	3,928.85	84.99	47.226		
9,700.00	7,875.00	7,482.00	7,371.90	60.85	32.79	81.42	3,414.48	-663.74	4,055.14	3,968.48	86.66	46.795		
9,800.00	7,875.00	7,482.00	7,371.90	63.35	32.79	81.42	3,414.48	-663.74	4,098.46	4,010.19	88.27	46.429		
9,900.00	7,875.00	7,482.00	7,371.90	65.86	32.79	81.42	3,414.48	-663.74	4,143.75	4,053.91	89.84	46.124		
10,000.00	7,875.00	7,451.26	7,341.79	68.39	32.73	80.95	3,412.58	-669.60	4,190.52	4,099.28	91.24	45.930		
10,100.00	7,875.00	7,446.75	7,337.36	70.93	32.72	80.88	3,412.30	-670.36	4,239.39	4,146.71	92.68	45.741		
10,200.00	7,875.00	7,442.55	7,333.22	73.48	32.71	80.81	3,412.03	-671.04	4,290.02	4,195.95	94.07	45.603		
10,300.00	7,875.00	7,438.63	7,329.35	76.04	32.71	80.75	3,411.78	-671.65	4,342.35	4,246.94	95.42	45.510		
10,400.00	7,875.00	7,434.95	7,325.72	78.61	32.70	80.70	3,411.55	-672.20	4,396.32	4,299.61	96.71	45.461		
10,500.00	7,875.00	7,431.51	7,322.32	81.19	32.69	80.64	3,411.33	-672.70	4,451.87	4,353.92	97.95	45.452 SF		
10,600.00	7,875.00	7,428.27	7,319.13	83.77	32.69	80.60	3,411.13	-673.16	4,508.94	4,409.80	99.14	45.482		
10,700.00	7,875.00	7,425.22	7,316.11	86.36	32.68	80.55	3,410.93	-673.58	4,567.48	4,467.20	100.28	45.547		
10,800.00	7,875.00	7,392.00	7,283.17	88.96	32.62	80.04	3,408.79	-677.34	4,627.90	4,526.65	101.24	45.711		
10,900.00	7,875.00	7,392.00	7,283.17	91.56	32.62	80.04	3,408.79	-677.34	4,689.13	4,586.83	102.31	45.835		
11,000.00	7,875.00	7,392.00	7,283.17	94.17	32.62	80.04	3,408.79	-677.34	4,751.68	4,648.36	103.32	45.988		
11,100.00	7,875.00	7,392.00	7,283.17	96.78	32.62	80.04	3,408.79	-677.34	4,815.50	4,711.20	104.30	46.171		
11,200.00	7,875.00	7,392.00	7,283.17	99.39	32.62	80.04	3,408.79	-677.34	4,880.52	4,775.29	105.23	46.379		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ SUNSET 4-65 21-22 1AH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 30-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
11,300.00	7,875.00	7,392.00	7,283.17	102.01	32.62	80.04	3,408.79	-677.34	4,946.72	4,840.60	106.12	46.613		
11,400.00	7,875.00	7,392.00	7,283.17	104.64	32.62	80.04	3,408.79	-677.34	5,014.04	4,907.06	106.98	46.870		
11,500.00	7,875.00	7,392.00	7,283.17	107.26	32.62	80.04	3,408.79	-677.34	5,082.43	4,974.63	107.79	47.149		
11,600.00	7,875.00	7,392.00	7,283.17	109.89	32.62	80.04	3,408.79	-677.34	5,151.86	5,043.28	108.58	47.449		
11,700.00	7,875.00	7,392.00	7,283.17	112.52	32.62	80.04	3,408.79	-677.34	5,222.27	5,112.95	109.32	47.769		
11,800.00	7,875.00	7,392.00	7,283.17	115.16	32.62	80.04	3,408.79	-677.34	5,293.64	5,183.60	110.04	48.107		
11,900.00	7,875.00	7,392.00	7,283.17	117.80	32.62	80.04	3,408.79	-677.34	5,365.93	5,255.21	110.72	48.463		
12,000.00	7,875.00	7,392.00	7,283.17	120.44	32.62	80.04	3,408.79	-677.34	5,439.09	5,327.71	111.38	48.835		
12,100.00	7,875.00	7,392.00	7,283.17	123.08	32.62	80.04	3,408.79	-677.34	5,513.10	5,401.09	112.00	49.223		
12,200.00	7,875.00	7,392.00	7,283.17	125.73	32.62	80.04	3,408.79	-677.34	5,587.91	5,475.31	112.60	49.626		
12,300.00	7,875.00	7,392.00	7,283.17	128.37	32.62	80.04	3,408.79	-677.34	5,663.50	5,550.33	113.17	50.042		
12,400.00	7,875.00	7,392.00	7,283.17	131.02	32.62	80.04	3,408.79	-677.34	5,739.84	5,626.12	113.72	50.472		
12,500.00	7,875.00	7,392.00	7,283.17	133.67	32.62	80.04	3,408.79	-677.34	5,816.90	5,702.65	114.25	50.915		
12,600.00	7,875.00	7,392.00	7,283.17	136.32	32.62	80.04	3,408.79	-677.34	5,894.65	5,779.90	114.75	51.370		
12,700.00	7,875.00	7,392.00	7,283.17	138.97	32.62	80.04	3,408.79	-677.34	5,973.05	5,857.82	115.23	51.835		
12,800.00	7,875.00	7,392.00	7,283.17	141.63	32.62	80.04	3,408.79	-677.34	6,052.10	5,936.41	115.69	52.312		
12,900.00	7,875.00	7,392.00	7,283.17	144.28	32.62	80.04	3,408.79	-677.34	6,131.76	6,015.62	116.13	52.799		
13,000.00	7,875.00	7,392.00	7,283.17	146.94	32.62	80.04	3,408.79	-677.34	6,212.00	6,095.44	116.56	53.296		
13,100.00	7,875.00	7,392.00	7,283.17	149.60	32.62	80.04	3,408.79	-677.34	6,292.81	6,175.85	116.96	53.802		
13,200.00	7,875.00	7,392.00	7,283.17	152.26	32.62	80.04	3,408.79	-677.34	6,374.17	6,256.81	117.35	54.316		
13,300.00	7,875.00	7,392.00	7,283.17	154.92	32.62	80.04	3,408.79	-677.34	6,456.05	6,338.32	117.73	54.840		
13,400.00	7,875.00	7,392.00	7,283.17	157.58	32.62	80.04	3,408.79	-677.34	6,538.43	6,420.34	118.08	55.371		
13,500.00	7,875.00	7,392.00	7,283.17	160.24	32.62	80.04	3,408.79	-677.34	6,621.30	6,502.87	118.43	55.910		
13,600.00	7,875.00	7,392.00	7,283.17	162.91	32.62	80.04	3,408.79	-677.34	6,704.63	6,585.87	118.76	56.456		
13,700.00	7,875.00	7,392.00	7,283.17	165.57	32.62	80.04	3,408.79	-677.34	6,788.42	6,669.34	119.08	57.009		
13,800.00	7,875.00	7,392.00	7,283.17	168.24	32.62	80.04	3,408.79	-677.34	6,872.64	6,753.26	119.38	57.568		
13,900.00	7,875.00	7,392.00	7,283.17	170.90	32.62	80.04	3,408.79	-677.34	6,957.28	6,837.60	119.68	58.134		
14,000.00	7,875.00	7,392.00	7,283.17	173.57	32.62	80.04	3,408.79	-677.34	7,042.32	6,922.36	119.96	58.706		
14,100.00	7,875.00	7,392.00	7,283.17	176.24	32.62	80.04	3,408.79	-677.34	7,127.74	7,007.51	120.23	59.284		
14,200.00	7,875.00	7,392.00	7,283.17	178.90	32.62	80.04	3,408.79	-677.34	7,213.55	7,093.05	120.49	59.867		
14,300.00	7,875.00	7,392.00	7,283.17	181.57	32.62	80.04	3,408.79	-677.34	7,299.71	7,178.97	120.74	60.456		
14,400.00	7,875.00	7,392.00	7,283.17	184.24	32.62	80.04	3,408.79	-677.34	7,386.22	7,265.24	120.99	61.050		
14,500.00	7,875.00	7,392.00	7,283.17	186.91	32.62	80.04	3,408.79	-677.34	7,473.07	7,351.85	121.22	61.648		
14,600.00	7,875.00	7,392.00	7,283.17	189.58	32.62	80.04	3,408.79	-677.34	7,560.25	7,438.80	121.45	62.251		
14,700.00	7,875.00	7,392.00	7,283.17	192.26	32.62	80.04	3,408.79	-677.34	7,647.74	7,526.07	121.66	62.859		
14,800.00	7,875.00	7,392.00	7,283.17	194.93	32.62	80.04	3,408.79	-677.34	7,735.53	7,613.65	121.88	63.471		
14,900.00	7,875.00	7,392.00	7,283.17	197.60	32.62	80.04	3,408.79	-677.34	7,823.61	7,701.53	122.08	64.087		
15,000.00	7,875.00	7,392.00	7,283.17	200.27	32.62	80.04	3,408.79	-677.34	7,911.98	7,789.71	122.27	64.707		
15,100.00	7,875.00	7,392.00	7,283.17	202.95	32.62	80.04	3,408.79	-677.34	8,000.62	7,878.16	122.46	65.330		
15,200.00	7,875.00	7,392.00	7,283.17	205.62	32.62	80.04	3,408.79	-677.34	8,089.53	7,966.88	122.65	65.957		
15,300.00	7,875.00	7,392.00	7,283.17	208.29	32.62	80.04	3,408.79	-677.34	8,178.69	8,055.87	122.83	66.588		
15,400.00	7,875.00	7,392.00	7,283.17	210.97	32.62	80.04	3,408.79	-677.34	8,268.10	8,145.11	123.00	67.222		
15,500.00	7,875.00	7,392.00	7,283.17	213.64	32.62	80.04	3,408.79	-677.34	8,357.76	8,234.59	123.16	67.859		
15,600.00	7,875.00	7,392.00	7,283.17	216.32	32.62	80.04	3,408.79	-677.34	8,447.64	8,324.31	123.33	68.499		
15,700.00	7,875.00	7,392.00	7,283.17	218.99	32.62	80.04	3,408.79	-677.34	8,537.75	8,414.27	123.48	69.142		
15,800.00	7,875.00	7,392.00	7,283.17	221.67	32.62	80.04	3,408.79	-677.34	8,628.07	8,504.44	123.63	69.788		
15,900.00	7,875.00	7,392.00	7,283.17	224.35	32.62	80.04	3,408.79	-677.34	8,718.61	8,594.83	123.78	70.436		
16,000.00	7,875.00	7,392.00	7,283.17	227.02	32.62	80.04	3,408.79	-677.34	8,809.35	8,685.43	123.92	71.087		
16,100.00	7,875.00	7,392.00	7,283.17	229.70	32.62	80.04	3,408.79	-677.34	8,900.29	8,776.23	124.06	71.741		
16,200.00	7,875.00	7,392.00	7,283.17	232.38	32.62	80.04	3,408.79	-677.34	8,991.43	8,867.23	124.20	72.397		
16,300.00	7,875.00	7,392.00	7,283.17	235.06	32.62	80.04	3,408.79	-677.34	9,082.75	8,958.42	124.33	73.055		
16,400.00	7,875.00	7,392.00	7,283.17	237.73	32.62	80.04	3,408.79	-677.34	9,174.25	9,049.79	124.46	73.715		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ SUNSET 4-65 21-22 1AH - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 30-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
16,500.00	7,875.00	7,392.00	7,283.17	240.41	32.62	80.04	3,408.79	-677.34	9,265.92	9,141.34	124.58	74.378	
16,600.00	7,875.00	7,392.00	7,283.17	243.09	32.62	80.04	3,408.79	-677.34	9,357.77	9,233.07	124.70	75.042	
16,700.00	7,875.00	7,392.00	7,283.17	245.77	32.62	80.04	3,408.79	-677.34	9,449.78	9,324.96	124.82	75.708	
16,800.00	7,875.00	7,392.00	7,283.17	248.45	32.62	80.04	3,408.79	-677.34	9,541.95	9,417.02	124.93	76.377	
16,900.00	7,875.00	7,392.00	7,283.17	251.13	32.62	80.04	3,408.79	-677.34	9,634.28	9,509.24	125.04	77.047	
17,000.00	7,875.00	7,392.00	7,283.17	253.81	32.62	80.04	3,408.79	-677.34	9,726.76	9,601.61	125.15	77.718	
17,100.00	7,875.00	7,392.00	7,283.17	256.49	32.62	80.04	3,408.79	-677.34	9,819.39	9,694.13	125.26	78.392	
17,200.00	7,875.00	7,392.00	7,283.17	259.17	32.62	80.04	3,408.79	-677.34	9,912.16	9,786.80	125.36	79.067	

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ SUNSET 4-65 21-22 1H - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 187-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	17,391.00	8,007.26	0.00	261.28	169.80	-282.82	50.91	7,873.61					
29.38	29.38	17,391.00	8,007.26	0.01	261.28	-71.99	-282.82	50.91	7,844.25	7,764.78	79.47	98.705		
59.94	59.94	17,391.00	8,007.26	0.12	261.28	-92.91	-282.82	50.91	7,813.71	7,734.23	79.48	98.314		
90.50	90.50	17,391.00	8,007.26	0.23	261.28	-67.80	-282.82	50.91	7,783.17	7,703.69	79.48	97.923		
121.06	121.06	17,391.00	8,007.26	0.34	261.28	-73.20	-282.82	50.91	7,752.62	7,673.14	79.49	97.532		
151.62	151.62	17,391.00	8,007.26	0.45	261.28	-106.94	-282.82	50.91	7,722.08	7,642.59	79.49	97.141		
212.74	212.73	17,391.00	8,007.26	0.67	261.28	-86.05	-282.82	50.91	7,661.00	7,581.50	79.51	96.356		
273.86	273.84	17,391.00	8,007.26	0.89	261.28	-110.63	-282.82	50.91	7,599.93	7,520.40	79.52	95.568		
316.51	316.48	17,391.00	8,007.26	1.04	261.28	-114.95	-282.82	50.91	7,557.31	7,477.78	79.54	95.018		
359.16	359.12	17,391.00	8,007.26	1.19	261.28	-123.27	-282.82	50.91	7,514.70	7,435.15	79.55	94.467		
401.81	401.74	17,391.00	8,007.26	1.35	261.28	-131.72	-282.82	50.91	7,472.10	7,392.54	79.56	93.917		
444.46	444.34	17,391.00	8,007.26	1.51	261.28	-139.58	-282.82	50.91	7,429.51	7,349.93	79.57	93.367		
487.11	486.92	17,391.00	8,007.26	1.66	261.28	-144.03	-282.82	50.91	7,386.94	7,307.35	79.59	92.817		
529.76	529.49	17,391.00	8,007.26	1.82	261.28	-147.50	-282.82	50.91	7,344.39	7,264.79	79.60	92.267		
572.41	572.04	17,391.00	8,007.26	1.98	261.28	-147.59	-282.82	50.91	7,301.84	7,222.23	79.61	91.715		
615.06	614.59	17,391.00	8,007.26	2.14	261.28	-149.43	-282.82	50.91	7,259.31	7,179.68	79.63	91.163		
657.71	657.13	17,391.00	8,007.26	2.30	261.28	-151.31	-282.82	50.91	7,216.79	7,137.15	79.65	90.610		
700.36	699.68	17,391.00	8,007.26	2.46	261.28	-147.06	-282.82	50.91	7,174.27	7,094.60	79.67	90.055		
743.01	742.23	17,391.00	8,007.26	2.61	261.28	-146.76	-282.82	50.91	7,131.73	7,052.04	79.69	89.499		
785.66	784.78	17,391.00	8,007.26	2.77	261.28	-149.43	-282.82	50.91	7,089.20	7,009.49	79.70	88.944		
828.31	827.31	17,391.00	8,007.26	2.94	261.28	-149.24	-282.82	50.91	7,046.67	6,966.95	79.72	88.390		
870.96	869.88	17,391.00	8,007.26	3.09	261.28	-137.33	-282.82	50.91	7,004.12	6,924.37	79.75	87.831		
913.61	912.48	17,391.00	8,007.26	3.25	261.28	-128.69	-282.82	50.91	6,961.53	6,881.76	79.77	87.270		
956.26	955.09	17,391.00	8,007.26	3.41	261.28	-131.10	-282.82	50.91	6,918.93	6,839.14	79.79	86.711		
998.91	997.69	17,391.00	8,007.26	3.56	261.28	-130.08	-282.82	50.91	6,876.33	6,796.52	79.82	86.151		
1,041.56	1,040.31	17,391.00	8,007.26	3.72	261.28	-118.47	-282.82	50.91	6,833.73	6,753.89	79.84	85.590		
1,084.21	1,082.93	17,391.00	8,007.26	3.87	261.28	-107.84	-282.82	50.91	6,791.12	6,711.25	79.87	85.027		
1,126.86	1,125.57	17,391.00	8,007.26	4.03	261.28	-115.66	-282.82	50.91	6,748.50	6,668.61	79.90	84.464		
1,169.51	1,168.19	17,391.00	8,007.26	4.18	261.28	-115.17	-282.82	50.91	6,705.89	6,625.97	79.93	83.901		
1,212.16	1,210.82	17,391.00	8,007.26	4.34	261.28	-105.24	-282.82	50.91	6,663.28	6,583.32	79.96	83.337		
1,254.81	1,253.45	17,391.00	8,007.26	4.49	261.28	-88.58	-282.82	50.91	6,620.65	6,540.67	79.99	82.773		
1,297.46	1,296.09	17,391.00	8,007.26	4.64	261.28	-84.53	-282.82	50.91	6,578.02	6,498.01	80.02	82.209		
1,340.11	1,338.72	17,391.00	8,007.26	4.79	261.28	-85.26	-282.82	50.91	6,535.39	6,455.34	80.05	81.644		
1,382.76	1,381.36	17,391.00	8,007.26	4.95	261.28	-101.42	-282.82	50.91	6,492.77	6,412.69	80.08	81.079		
1,425.41	1,423.99	17,391.00	8,007.26	5.10	261.28	-111.25	-282.82	50.91	6,450.15	6,370.04	80.11	80.514		
1,468.06	1,466.62	17,391.00	8,007.26	5.26	261.28	-121.70	-282.82	50.91	6,407.54	6,327.40	80.15	79.948		
1,510.71	1,509.24	17,391.00	8,007.26	5.41	261.28	-118.42	-282.82	50.91	6,364.94	6,284.76	80.18	79.382		
1,553.36	1,551.88	17,391.00	8,007.26	5.56	261.28	-82.17	-282.82	50.91	6,322.33	6,242.11	80.22	78.814		
1,596.01	1,594.52	17,391.00	8,007.26	5.72	261.28	-87.80	-282.82	50.91	6,279.71	6,199.45	80.26	78.246		
1,638.66	1,637.16	17,391.00	8,007.26	5.87	261.28	-85.27	-282.82	50.91	6,237.09	6,156.80	80.30	77.677		
1,681.31	1,679.81	17,391.00	8,007.26	6.02	261.28	-67.38	-282.82	50.91	6,194.47	6,114.14	80.34	77.108		
1,723.96	1,722.45	17,391.00	8,007.26	6.17	261.28	-88.15	-282.82	50.91	6,151.85	6,071.48	80.38	76.539		
1,766.61	1,765.10	17,391.00	8,007.26	6.33	261.28	-77.60	-282.82	50.91	6,109.23	6,028.82	80.42	75.970		
1,809.26	1,807.74	17,391.00	8,007.26	6.48	261.28	-79.48	-282.82	50.91	6,066.62	5,986.16	80.46	75.401		
1,851.91	1,850.39	17,391.00	8,007.26	6.63	261.28	-99.53	-282.82	50.91	6,024.00	5,943.50	80.50	74.831		
1,894.56	1,893.03	17,391.00	8,007.26	6.78	261.28	-96.67	-282.82	50.91	5,981.39	5,900.85	80.54	74.262		
1,937.21	1,935.67	17,391.00	8,007.26	6.94	261.28	-95.71	-282.82	50.91	5,938.78	5,858.19	80.59	73.692		
1,979.86	1,978.32	17,391.00	8,007.26	7.09	261.28	-94.72	-282.82	50.91	5,896.17	5,815.54	80.64	73.121		
2,022.51	2,020.96	17,391.00	8,007.26	7.24	261.28	-86.53	-282.82	50.91	5,853.56	5,772.88	80.68	72.551		
2,065.16	2,063.61	17,391.00	8,007.26	7.40	261.28	-88.08	-282.82	50.91	5,810.95	5,730.22	80.73	71.981		
2,107.81	2,106.25	17,391.00	8,007.26	7.55	261.28	-66.91	-282.82	50.91	5,768.34	5,687.56	80.78	71.412		
2,150.46	2,148.89	17,391.00	8,007.26	7.70	261.28	-68.04	-282.82	50.91	5,725.71	5,644.89	80.82	70.843		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ SUNSET 4-65 21-22 1H - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 187-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
2,205.46	2,203.89	17,391.00	8,007.26	7.80	261.28	-68.04	-282.82	50.91	5,670.75	5,589.87	80.89	70.109		
2,300.00	2,298.37	17,391.00	8,007.26	7.82	261.28	-128.97	-282.82	50.91	5,576.32	5,495.34	80.99	68.854		
2,340.72	2,339.03	17,391.00	8,007.26	7.83	261.28	-139.11	-282.82	50.91	5,535.70	5,454.67	81.03	68.317		
2,400.00	2,398.21	17,391.00	8,007.26	7.86	261.28	-139.11	-282.82	50.91	5,476.57	5,395.48	81.09	67.535		
2,500.00	2,498.02	17,391.00	8,007.26	7.92	261.28	-139.11	-282.82	50.91	5,376.85	5,295.65	81.20	66.215		
2,600.00	2,597.84	17,391.00	8,007.26	7.99	261.28	-139.11	-282.82	50.91	5,277.13	5,195.82	81.31	64.898		
2,700.00	2,697.65	17,391.00	8,007.26	8.09	261.28	-139.11	-282.82	50.91	5,177.43	5,096.00	81.43	63.581		
2,800.00	2,797.47	17,391.00	8,007.26	8.20	261.28	-139.11	-282.82	50.91	5,077.74	4,996.19	81.55	62.266		
2,900.00	2,897.29	17,391.00	8,007.26	8.32	261.28	-139.11	-282.82	50.91	4,978.06	4,896.39	81.67	60.952		
3,000.00	2,897.10	17,391.00	8,007.26	8.46	261.28	-139.11	-282.82	50.91	4,878.40	4,796.60	81.80	59.640		
3,100.00	3,096.92	17,391.00	8,007.26	8.61	261.28	-139.11	-282.82	50.91	4,778.74	4,696.82	81.93	58.331		
3,200.00	3,196.73	17,391.00	8,007.26	8.78	261.28	-139.11	-282.82	50.91	4,679.11	4,597.05	82.06	57.023		
3,300.00	3,296.55	17,391.00	8,007.26	8.96	261.28	-139.11	-282.82	50.91	4,579.49	4,497.29	82.19	55.718		
3,400.00	3,396.37	17,391.00	8,007.26	9.15	261.28	-139.11	-282.82	50.91	4,479.88	4,397.55	82.33	54.415		
3,500.00	3,496.18	17,391.00	8,007.26	9.35	261.28	-139.11	-282.82	50.91	4,380.30	4,297.83	82.47	53.114		
3,600.00	3,596.00	17,391.00	8,007.26	9.56	261.28	-139.11	-282.82	50.91	4,280.73	4,198.12	82.61	51.816		
3,700.00	3,695.81	17,391.00	8,007.26	9.78	261.28	-139.11	-282.82	50.91	4,181.18	4,098.42	82.76	50.522		
3,800.00	3,795.63	17,391.00	8,007.26	10.01	261.28	-139.11	-282.82	50.91	4,081.66	3,998.75	82.91	49.230		
3,900.00	3,895.45	17,391.00	8,007.26	10.25	261.28	-139.11	-282.82	50.91	3,982.16	3,899.09	83.06	47.941		
4,000.00	3,995.26	17,391.00	8,007.26	10.50	261.28	-139.11	-282.82	50.91	3,882.68	3,799.46	83.22	46.655		
4,100.00	4,095.08	17,391.00	8,007.26	10.76	261.28	-139.11	-282.82	50.91	3,783.24	3,699.86	83.38	45.373		
4,200.00	4,194.89	17,391.00	8,007.26	11.02	261.28	-139.11	-282.82	50.91	3,683.82	3,600.28	83.54	44.094		
4,300.00	4,294.71	17,391.00	8,007.26	11.28	261.28	-139.11	-282.82	50.91	3,584.44	3,500.73	83.71	42.819		
4,400.00	4,394.53	17,391.00	8,007.26	11.56	261.28	-139.11	-282.82	50.91	3,485.09	3,401.21	83.88	41.548		
4,500.00	4,494.34	17,391.00	8,007.26	11.84	261.28	-139.11	-282.82	50.91	3,385.78	3,301.72	84.05	40.281		
4,600.00	4,594.16	17,391.00	8,007.26	12.12	261.28	-139.11	-282.82	50.91	3,286.51	3,202.28	84.23	39.017		
4,700.00	4,693.97	17,391.00	8,007.26	12.41	261.28	-139.11	-282.82	50.91	3,187.28	3,102.87	84.41	37.758		
4,800.00	4,793.79	17,391.00	8,007.26	12.70	261.28	-139.11	-282.82	50.91	3,088.11	3,003.51	84.60	36.504		
4,900.00	4,893.61	17,391.00	8,007.26	13.00	261.28	-139.11	-282.82	50.91	2,988.99	2,904.21	84.79	35.253		
5,000.00	4,993.42	17,391.00	8,007.26	13.30	261.28	-139.11	-282.82	50.91	2,889.94	2,804.96	84.98	34.008		
5,100.00	5,093.24	17,391.00	8,007.26	13.61	261.28	-139.11	-282.82	50.91	2,790.95	2,705.77	85.17	32.768		
5,200.00	5,193.06	17,391.00	8,007.26	13.92	261.28	-139.11	-282.82	50.91	2,692.03	2,606.66	85.37	31.532		
5,300.00	5,292.87	17,391.00	8,007.26	14.23	261.28	-139.11	-282.82	50.91	2,593.20	2,507.62	85.58	30.302		
5,400.00	5,392.69	17,391.00	8,007.26	14.54	261.28	-139.11	-282.82	50.91	2,494.46	2,408.67	85.79	29.078		
5,500.00	5,492.50	17,391.00	8,007.26	14.86	261.28	-139.11	-282.82	50.91	2,395.83	2,309.83	86.00	27.859		
5,600.00	5,592.32	17,391.00	8,007.26	15.18	261.28	-139.11	-282.82	50.91	2,297.31	2,211.09	86.22	26.646		
5,700.00	5,692.14	17,391.00	8,007.26	15.50	261.28	-139.11	-282.82	50.91	2,198.93	2,112.49	86.44	25.440		
5,800.00	5,791.95	17,391.00	8,007.26	15.83	261.28	-139.11	-282.82	50.91	2,100.70	2,014.04	86.66	24.240		
5,900.00	5,891.77	17,391.00	8,007.26	16.16	261.28	-139.11	-282.82	50.91	2,002.64	1,915.75	86.89	23.048		
6,000.00	5,991.58	17,391.00	8,007.26	16.48	261.28	-139.11	-282.82	50.91	1,904.79	1,817.67	87.12	21.863		
6,100.00	6,091.40	17,391.00	8,007.26	16.81	261.28	-139.11	-282.82	50.91	1,807.17	1,719.81	87.36	20.686		
6,200.00	6,191.22	17,391.00	8,007.26	17.15	261.28	-139.11	-282.82	50.91	1,709.83	1,622.23	87.60	19.518		
6,300.00	6,291.03	17,391.00	8,007.26	17.48	261.28	-139.11	-282.82	50.91	1,612.82	1,524.97	87.85	18.360		
6,400.00	6,390.85	17,391.00	8,007.26	17.82	261.28	-139.11	-282.82	50.91	1,516.19	1,428.10	88.09	17.212		
6,500.00	6,490.66	17,391.00	8,007.26	18.15	261.28	-139.11	-282.82	50.91	1,420.03	1,331.69	88.34	16.075		
6,600.00	6,590.48	17,391.00	8,007.26	18.49	261.28	-139.11	-282.82	50.91	1,324.44	1,235.86	88.58	14.953		
6,700.00	6,690.30	17,391.00	8,007.26	18.83	261.28	-139.11	-282.82	50.91	1,229.54	1,140.74	88.81	13.845		
6,800.00	6,790.11	17,391.00	8,007.26	19.17	261.28	-139.11	-282.82	50.91	1,135.53	1,046.51	89.02	12.756		
6,900.00	6,889.93	17,391.00	8,007.26	19.52	261.28	-139.11	-282.82	50.91	1,042.63	953.42	89.21	11.688		
7,000.00	6,989.74	17,391.00	8,007.26	19.86	261.28	-139.11	-282.82	50.91	951.17	861.83	89.34	10.646		
7,100.00	7,089.56	17,391.00	8,007.26	20.21	261.28	-139.11	-282.82	50.91	861.61	772.22	89.39	9.638		
7,200.00	7,189.38	17,391.00	8,007.26	20.55	261.28	-139.11	-282.82	50.91	774.61	685.32	89.30	8.675		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ SUNSET 4-65 21-22 1H - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 187-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
7,300.00	7,289.19	17,391.00	8,007.26	20.90	261.28	-139.11	-282.82	50.91	691.14	602.19	88.95	7.770		
7,342.81	7,331.92	17,391.00	8,007.26	21.05	261.28	-139.11	-282.82	50.91	656.82	568.13	88.69	7.406		
7,350.00	7,339.10	17,391.00	8,007.26	21.07	261.28	-144.52	-282.82	50.91	651.18	562.55	88.64	7.347		
7,400.00	7,388.77	17,391.00	8,007.26	21.26	261.28	-159.79	-282.82	50.91	614.56	526.51	88.06	6.979		
7,450.00	7,437.78	17,391.00	8,007.26	21.46	261.28	-164.59	-282.82	50.91	583.28	496.22	87.06	6.700		
7,500.00	7,485.76	17,391.00	8,007.26	21.68	261.28	-166.96	-282.82	50.91	558.47	472.93	85.54	6.529		
7,550.00	7,532.34	17,391.00	8,007.26	21.91	261.28	-168.33	-282.82	50.91	541.24	457.80	83.44	6.486 SF		
7,600.00	7,577.17	17,391.00	8,007.26	22.16	261.28	-169.18	-282.82	50.91	532.46	451.68	80.78	6.591 ES		
7,624.19	7,598.14	17,391.00	8,007.26	22.30	261.28	-169.46	-282.82	50.91	531.40	452.08	79.32	6.699 CC		
7,650.00	7,619.91	17,391.00	8,007.26	22.44	261.28	-169.69	-282.82	50.91	532.60	454.92	77.68	6.856		
7,700.00	7,660.24	17,391.00	8,007.26	22.74	261.28	-169.94	-282.82	50.91	541.67	467.28	74.39	7.282		
7,750.00	7,697.84	17,391.00	8,007.26	23.07	261.28	-169.98	-282.82	50.91	559.16	488.00	71.16	7.858		
7,800.00	7,732.43	17,391.00	8,007.26	23.43	261.28	-169.81	-282.82	50.91	584.19	515.95	68.24	8.561		
7,850.00	7,763.75	17,391.00	8,007.26	23.84	261.28	-169.40	-282.82	50.91	615.67	549.91	65.76	9.362		
7,900.00	7,791.55	17,391.00	8,007.26	24.29	261.28	-168.70	-282.82	50.91	652.44	588.69	63.75	10.234		
7,950.00	7,815.64	17,391.00	8,007.26	24.79	261.28	-167.58	-282.82	50.91	693.41	631.24	62.17	11.153		
8,000.00	7,835.81	17,391.00	8,007.26	25.35	261.28	-165.80	-282.82	50.91	737.59	676.64	60.95	12.102		
8,050.00	7,851.93	17,391.00	8,007.26	25.96	261.28	-162.80	-282.82	50.91	784.13	724.14	60.00	13.069		
8,100.00	7,863.86	17,391.00	8,007.26	26.62	261.28	-157.16	-282.82	50.91	832.32	773.07	59.25	14.048		
8,150.00	7,871.52	17,391.00	8,007.26	27.33	261.28	-144.00	-282.82	50.91	881.55	822.89	58.65	15.030		
8,200.00	7,874.85	17,391.00	8,007.26	28.07	261.28	-102.82	-282.82	50.91	931.30	873.13	58.17	16.010		
8,213.19	7,875.00	17,391.00	8,007.26	28.27	261.28	-84.15	-282.82	50.91	944.46	886.40	58.06	16.268		
8,300.00	7,875.00	17,391.00	8,007.26	29.67	261.28	-84.15	-282.82	50.91	1,031.08	973.65	57.43	17.955		
8,400.00	7,875.00	17,391.00	8,007.26	31.43	261.28	-84.15	-282.82	50.91	1,130.90	1,074.02	56.87	19.884		
8,500.00	7,875.00	17,391.00	8,007.26	33.31	261.28	-84.15	-282.82	50.91	1,230.75	1,174.29	56.45	21.801		
8,600.00	7,875.00	17,391.00	8,007.26	35.29	261.28	-84.15	-282.82	50.91	1,330.62	1,274.49	56.13	23.706		
8,700.00	7,875.00	17,391.00	8,007.26	37.37	261.28	-84.15	-282.82	50.91	1,430.50	1,374.63	55.88	25.601		
8,800.00	7,875.00	17,391.00	8,007.26	39.52	261.28	-84.15	-282.82	50.91	1,530.41	1,474.73	55.68	27.487		
8,900.00	7,875.00	17,391.00	8,007.26	41.73	261.28	-84.15	-282.82	50.91	1,630.32	1,574.80	55.52	29.365		
9,000.00	7,875.00	17,391.00	8,007.26	44.00	261.28	-84.15	-282.82	50.91	1,730.25	1,674.85	55.39	31.235		
9,100.00	7,875.00	17,391.00	8,007.26	46.32	261.28	-84.15	-282.82	50.91	1,830.18	1,774.89	55.29	33.099		
9,200.00	7,875.00	17,391.00	8,007.26	48.67	261.28	-84.15	-282.82	50.91	1,930.12	1,874.90	55.22	34.956		
9,300.00	7,875.00	17,391.00	8,007.26	51.05	261.28	-84.15	-282.82	50.91	2,030.07	1,974.91	55.15	36.807		
9,400.00	7,875.00	17,391.00	8,007.26	53.47	261.28	-84.15	-282.82	50.91	2,130.02	2,074.91	55.11	38.653		
9,500.00	7,875.00	17,391.00	8,007.26	55.91	261.28	-84.15	-282.82	50.91	2,229.97	2,174.90	55.07	40.494		
9,600.00	7,875.00	17,391.00	8,007.26	58.37	261.28	-84.15	-282.82	50.91	2,329.93	2,274.89	55.04	42.329		
9,700.00	7,875.00	17,391.00	8,007.26	60.85	261.28	-84.15	-282.82	50.91	2,429.89	2,374.87	55.03	44.160		
9,800.00	7,875.00	17,391.00	8,007.26	63.35	261.28	-84.15	-282.82	50.91	2,529.86	2,474.85	55.01	45.985		
9,900.00	7,875.00	17,391.00	8,007.26	65.86	261.28	-84.15	-282.82	50.91	2,629.83	2,574.82	55.01	47.807		
10,000.00	7,875.00	17,391.00	8,007.26	68.39	261.28	-84.15	-282.82	50.91	2,729.80	2,674.79	55.01	49.623		
10,100.00	7,875.00	17,391.00	8,007.26	70.93	261.28	-84.15	-282.82	50.91	2,829.77	2,774.76	55.02	51.435		
10,200.00	7,875.00	17,391.00	8,007.26	73.48	261.28	-84.15	-282.82	50.91	2,929.75	2,874.72	55.03	53.242		
10,300.00	7,875.00	17,391.00	8,007.26	76.04	261.28	-84.15	-282.82	50.91	3,029.72	2,974.68	55.04	55.045		
10,400.00	7,875.00	17,391.00	8,007.26	78.61	261.28	-84.15	-282.82	50.91	3,129.70	3,074.64	55.06	56.844		
10,500.00	7,875.00	17,391.00	8,007.26	81.19	261.28	-84.15	-282.82	50.91	3,229.68	3,174.60	55.08	58.637		
10,600.00	7,875.00	17,391.00	8,007.26	83.77	261.28	-84.15	-282.82	50.91	3,329.66	3,274.56	55.10	60.427		
10,700.00	7,875.00	17,391.00	8,007.26	86.36	261.28	-84.15	-282.82	50.91	3,429.64	3,374.51	55.13	62.212		
10,800.00	7,875.00	17,391.00	8,007.26	88.96	261.28	-84.15	-282.82	50.91	3,529.62	3,474.47	55.16	63.992		
10,900.00	7,875.00	17,391.00	8,007.26	91.56	261.28	-84.15	-282.82	50.91	3,629.61	3,574.42	55.19	65.768		
11,000.00	7,875.00	17,391.00	8,007.26	94.17	261.28	-84.15	-282.82	50.91	3,729.59	3,674.37	55.22	67.539		
11,100.00	7,875.00	17,391.00	8,007.26	96.78	261.28	-84.15	-282.82	50.91	3,829.58	3,774.32	55.26	69.305		
11,200.00	7,875.00	17,391.00	8,007.26	99.39	261.28	-84.15	-282.82	50.91	3,929.56	3,874.27	55.29	71.067		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ SUNSET 4-65 21-22 1H - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 187-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
11,300.00	7,875.00	17,391.00	8,007.26	102.01	261.28	-84.15	-282.82	50.91	4,029.55	3,974.22	55.33	72.823		
11,400.00	7,875.00	17,391.00	8,007.26	104.64	261.28	-84.15	-282.82	50.91	4,129.54	4,074.16	55.37	74.575		
11,500.00	7,875.00	17,391.00	8,007.26	107.26	261.28	-84.15	-282.82	50.91	4,229.52	4,174.11	55.42	76.323		
11,600.00	7,875.00	17,391.00	8,007.26	109.89	261.28	-84.15	-282.82	50.91	4,329.51	4,274.05	55.46	78.065		
11,700.00	7,875.00	17,391.00	8,007.26	112.52	261.28	-84.15	-282.82	50.91	4,429.50	4,374.00	55.51	79.802		
11,800.00	7,875.00	17,391.00	8,007.26	115.16	261.28	-84.15	-282.82	50.91	4,529.49	4,473.94	55.55	81.535		
11,900.00	7,875.00	17,391.00	8,007.26	117.80	261.28	-84.15	-282.82	50.91	4,629.48	4,573.88	55.60	83.262		
12,000.00	7,875.00	17,391.00	8,007.26	120.44	261.28	-84.15	-282.82	50.91	4,729.47	4,673.82	55.65	84.984		
12,100.00	7,875.00	17,391.00	8,007.26	123.08	261.28	-84.15	-282.82	50.91	4,829.46	4,773.76	55.70	86.701		
12,200.00	7,875.00	17,391.00	8,007.26	125.73	261.28	-84.15	-282.82	50.91	4,929.45	4,873.70	55.76	88.413		
12,300.00	7,875.00	17,391.00	8,007.26	128.37	261.28	-84.15	-282.82	50.91	5,029.44	4,973.64	55.81	90.119		
12,400.00	7,875.00	17,391.00	8,007.26	131.02	261.28	-84.15	-282.82	50.91	5,129.44	5,073.57	55.86	91.820		
12,500.00	7,875.00	17,391.00	8,007.26	133.67	261.28	-84.15	-282.82	50.91	5,229.43	5,173.51	55.92	93.516		
12,600.00	7,875.00	17,391.00	8,007.26	136.32	261.28	-84.15	-282.82	50.91	5,329.42	5,273.44	55.98	95.207		
12,700.00	7,875.00	17,391.00	8,007.26	138.97	261.28	-84.15	-282.82	50.91	5,429.41	5,373.38	56.04	96.892		
12,800.00	7,875.00	17,391.00	8,007.26	141.63	261.28	-84.15	-282.82	50.91	5,529.41	5,473.31	56.10	98.571		
12,900.00	7,875.00	17,391.00	8,007.26	144.28	261.28	-84.15	-282.82	50.91	5,629.40	5,573.24	56.16	100.245		
13,000.00	7,875.00	17,391.00	8,007.26	146.94	261.28	-84.15	-282.82	50.91	5,729.39	5,673.17	56.22	101.914		
13,100.00	7,875.00	17,391.00	8,007.26	149.60	261.28	-84.15	-282.82	50.91	5,829.39	5,773.11	56.28	103.576		
13,200.00	7,875.00	17,391.00	8,007.26	152.26	261.28	-84.15	-282.82	50.91	5,929.38	5,873.04	56.35	105.233		
13,300.00	7,875.00	17,391.00	8,007.26	154.92	261.28	-84.15	-282.82	50.91	6,029.37	5,972.96	56.41	106.885		
13,400.00	7,875.00	17,391.00	8,007.26	157.58	261.28	-84.15	-282.82	50.91	6,129.37	6,072.89	56.48	108.530		
13,500.00	7,875.00	17,391.00	8,007.26	160.24	261.28	-84.15	-282.82	50.91	6,229.36	6,172.82	56.54	110.170		
13,600.00	7,875.00	17,391.00	8,007.26	162.91	261.28	-84.15	-282.82	50.91	6,329.36	6,272.75	56.61	111.804		
13,700.00	7,875.00	17,391.00	8,007.26	165.57	261.28	-84.15	-282.82	50.91	6,429.35	6,372.67	56.68	113.432		
13,800.00	7,875.00	17,391.00	8,007.26	168.24	261.28	-84.15	-282.82	50.91	6,529.35	6,472.60	56.75	115.054		
13,900.00	7,875.00	17,391.00	8,007.26	170.90	261.28	-84.15	-282.82	50.91	6,629.34	6,572.52	56.82	116.670		
14,000.00	7,875.00	17,391.00	8,007.26	173.57	261.28	-84.15	-282.82	50.91	6,729.34	6,672.44	56.89	118.281		
14,100.00	7,875.00	17,391.00	8,007.26	176.24	261.28	-84.15	-282.82	50.91	6,829.33	6,772.37	56.97	119.885		
14,200.00	7,875.00	17,391.00	8,007.26	178.90	261.28	-84.15	-282.82	50.91	6,929.33	6,872.29	57.04	121.483		
14,300.00	7,875.00	17,391.00	8,007.26	181.57	261.28	-84.15	-282.82	50.91	7,029.32	6,972.21	57.11	123.075		
14,400.00	7,875.00	17,391.00	8,007.26	184.24	261.28	-84.15	-282.82	50.91	7,129.32	7,072.13	57.19	124.662		
14,500.00	7,875.00	17,391.00	8,007.26	186.91	261.28	-84.15	-282.82	50.91	7,229.32	7,172.05	57.27	126.242		
14,600.00	7,875.00	17,391.00	8,007.26	189.58	261.28	-84.15	-282.82	50.91	7,329.31	7,271.97	57.34	127.815		
14,700.00	7,875.00	17,391.00	8,007.26	192.26	261.28	-84.15	-282.82	50.91	7,429.31	7,371.89	57.42	129.383		
14,800.00	7,875.00	17,391.00	8,007.26	194.93	261.28	-84.15	-282.82	50.91	7,529.30	7,471.80	57.50	130.945		
14,900.00	7,875.00	17,391.00	8,007.26	197.60	261.28	-84.15	-282.82	50.91	7,629.30	7,571.72	57.58	132.500		
15,000.00	7,875.00	17,391.00	8,007.26	200.27	261.28	-84.15	-282.82	50.91	7,729.30	7,671.64	57.66	134.049		
15,100.00	7,875.00	17,391.00	8,007.26	202.95	261.28	-84.15	-282.82	50.91	7,829.29	7,771.55	57.74	135.592		
15,200.00	7,875.00	17,391.00	8,007.26	205.62	261.28	-84.15	-282.82	50.91	7,929.29	7,871.47	57.82	137.129		
15,300.00	7,875.00	17,391.00	8,007.26	208.29	261.28	-84.15	-282.82	50.91	8,029.29	7,971.38	57.91	138.659		
15,400.00	7,875.00	17,391.00	8,007.26	210.97	261.28	-84.15	-282.82	50.91	8,129.28	8,071.29	57.99	140.183		
15,500.00	7,875.00	17,391.00	8,007.26	213.64	261.28	-84.15	-282.82	50.91	8,229.28	8,171.21	58.07	141.701		
15,600.00	7,875.00	17,391.00	8,007.26	216.32	261.28	-84.15	-282.82	50.91	8,329.28	8,271.12	58.16	143.213		
15,700.00	7,875.00	17,391.00	8,007.26	218.99	261.28	-84.15	-282.82	50.91	8,429.27	8,371.03	58.25	144.718		
15,800.00	7,875.00	17,391.00	8,007.26	221.67	261.28	-84.15	-282.82	50.91	8,529.27	8,470.94	58.33	146.217		
15,900.00	7,875.00	17,391.00	8,007.26	224.35	261.28	-84.15	-282.82	50.91	8,629.27	8,570.85	58.42	147.709		
16,000.00	7,875.00	17,391.00	8,007.26	227.02	261.28	-84.15	-282.82	50.91	8,729.27	8,670.76	58.51	149.196		
16,100.00	7,875.00	17,391.00	8,007.26	229.70	261.28	-84.15	-282.82	50.91	8,829.26	8,770.67	58.60	150.676		
16,200.00	7,875.00	17,391.00	8,007.26	232.38	261.28	-84.15	-282.82	50.91	8,929.26	8,870.57	58.69	152.149		
16,300.00	7,875.00	17,391.00	8,007.26	235.06	261.28	-84.15	-282.82	50.91	9,029.26	8,970.48	58.78	153.616		
16,400.00	7,875.00	17,391.00	8,007.26	237.73	261.28	-84.15	-282.82	50.91	9,129.26	9,070.39	58.87	155.077		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ SUNSET 4-65 21-22 1H - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 187-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
16,500.00	7,875.00	17,391.00	8,007.26	240.41	261.28	-84.15	-282.82	50.91	9,229.25	9,170.29	58.96	156.531	
16,600.00	7,875.00	17,391.00	8,007.26	243.09	261.28	-84.15	-282.82	50.91	9,329.25	9,270.20	59.05	157.980	
16,700.00	7,875.00	17,391.00	8,007.26	245.77	261.28	-84.15	-282.82	50.91	9,429.25	9,370.10	59.15	159.421	
16,800.00	7,875.00	17,391.00	8,007.26	248.45	261.28	-84.15	-282.82	50.91	9,529.25	9,470.00	59.24	160.857	
16,900.00	7,875.00	17,391.00	8,007.26	251.13	261.28	-84.15	-282.82	50.91	9,629.24	9,569.91	59.34	162.286	
17,000.00	7,875.00	17,391.00	8,007.26	253.81	261.28	-84.15	-282.82	50.91	9,729.24	9,669.81	59.43	163.708	
17,100.00	7,875.00	17,391.00	8,007.26	256.49	261.28	-84.15	-282.82	50.91	9,829.24	9,769.71	59.53	165.125	
17,200.00	7,875.00	17,391.00	8,007.26	259.17	261.28	-84.15	-282.82	50.91	9,929.24	9,869.61	59.62	166.534	

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ SUNSET 4-65 21-22 2AH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG													Offset Well Error:	0.00 usft
Reference	Offset	Semi Major Axis		Distance										Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	70.58	70.57	0.00	0.16	7.78	3,010.42	411.36	3,038.50					
29.38	29.38	106.85	106.85	0.01	0.29	132.51	3,010.13	411.05	3,038.28	3,037.98	0.31	9,924.535		
59.94	59.94	143.49	143.48	0.12	0.42	110.54	3,009.71	410.92	3,037.98	3,037.44	0.54	5,640.757		
90.50	90.50	167.23	167.23	0.23	0.50	141.86	3,009.43	410.83	3,037.73	3,037.00	0.73	4,154.835		
121.06	121.06	203.11	203.10	0.34	0.63	144.67	3,009.11	410.64	3,037.70	3,036.73	0.97	3,135.728		
151.62	151.62	239.59	239.58	0.45	0.76	110.38	3,008.63	410.41	3,037.51	3,036.30	1.21	2,512.454		
212.74	212.73	318.27	318.24	0.67	1.05	130.70	3,007.38	409.54	3,036.82	3,035.11	1.71	1,775.736		
273.86	273.84	534.71	534.08	0.89	1.84	114.19	2,999.95	396.46	3,035.20	3,032.47	2.72	1,114.630		
316.51	316.48	795.10	791.16	1.04	2.93	117.09	2,977.34	362.87	3,031.83	3,027.92	3.91	774.643		
359.16	359.12	842.38	837.50	1.19	3.15	121.32	2,971.54	355.49	3,026.36	3,022.11	4.25	711.340		
401.81	401.74	915.42	909.00	1.35	3.49	124.67	2,962.17	343.82	3,020.94	3,016.23	4.71	641.568		
444.46	444.34	957.46	950.08	1.51	3.69	120.57	2,956.55	336.87	3,015.46	3,010.43	5.04	598.700		
487.11	486.92	983.61	975.63	1.66	3.81	120.54	2,953.13	332.48	3,010.23	3,004.93	5.30	567.930		
529.76	529.49	1,012.10	1,003.48	1.82	3.95	119.11	2,949.65	327.65	3,005.43	2,999.86	5.58	538.946		
572.41	572.04	1,062.71	1,052.99	1.98	4.20	119.68	2,943.50	319.10	3,000.79	2,994.84	5.95	504.273		
615.06	614.59	1,089.94	1,079.61	2.14	4.33	116.65	2,940.20	314.40	2,996.09	2,989.87	6.23	481.170		
657.71	657.13	1,147.83	1,136.16	2.30	4.62	116.21	2,933.16	304.29	2,991.38	2,984.75	6.64	450.655		
700.36	699.68	1,188.48	1,175.88	2.46	4.82	119.45	2,928.07	297.28	2,986.57	2,979.60	6.97	428.203		
743.01	742.23	1,219.53	1,206.21	2.61	4.97	120.33	2,924.28	291.79	2,981.88	2,974.60	7.27	410.104		
785.66	784.78	1,271.38	1,256.83	2.77	5.23	124.68	2,918.01	282.50	2,977.44	2,969.78	7.66	388.727		
828.31	827.31	1,298.04	1,282.88	2.94	5.36	125.76	2,914.80	277.81	2,973.25	2,965.31	7.94	374.565		
870.96	869.88	1,311.00	1,295.54	3.09	5.43	125.89	2,913.28	275.52	2,969.07	2,960.91	8.16	363.982		
913.61	912.48	1,333.13	1,317.20	3.25	5.54	132.37	2,910.86	271.66	2,964.92	2,956.50	8.41	352.356		
956.26	955.09	1,353.70	1,337.37	3.41	5.64	134.71	2,908.89	268.15	2,961.29	2,952.62	8.66	341.822		
998.91	997.69	1,372.88	1,356.20	3.56	5.73	134.94	2,907.19	264.92	2,958.05	2,949.15	8.91	332.164		
1,041.56	1,040.31	1,415.70	1,398.25	3.72	5.93	134.98	2,903.48	257.74	2,954.79	2,945.54	9.25	319.402		
1,084.21	1,082.93	1,464.89	1,446.58	3.87	6.17	137.99	2,899.03	249.70	2,951.16	2,941.54	9.62	306.683		
1,126.86	1,125.57	1,514.44	1,495.28	4.03	6.40	133.94	2,894.46	241.82	2,947.45	2,937.46	9.99	294.908		
1,169.51	1,168.19	1,544.18	1,524.52	4.18	6.54	138.07	2,891.69	237.14	2,943.82	2,933.54	10.28	286.362		
1,212.16	1,210.82	1,567.20	1,547.18	4.34	6.65	145.89	2,889.69	233.59	2,940.52	2,929.99	10.54	279.088		
1,254.81	1,253.45	1,602.22	1,581.67	4.49	6.81	157.86	2,886.77	228.32	2,937.42	2,926.58	10.84	270.963		
1,297.46	1,296.09	1,635.88	1,614.86	4.64	6.97	156.48	2,884.05	223.43	2,934.39	2,923.25	11.14	263.436		
1,340.11	1,338.72	1,671.10	1,649.63	4.79	7.13	160.83	2,881.29	218.49	2,931.49	2,920.05	11.44	256.203		
1,382.76	1,381.36	1,705.80	1,683.91	4.95	7.28	148.51	2,878.61	213.83	2,928.77	2,917.02	11.74	249.427		
1,425.41	1,423.99	1,738.00	1,715.74	5.10	7.42	133.39	2,876.24	209.59	2,926.06	2,914.03	12.03	243.186		
1,468.06	1,466.62	1,774.40	1,751.75	5.26	7.58	128.08	2,873.65	204.93	2,923.39	2,911.05	12.34	236.920		
1,510.71	1,509.24	1,837.75	1,814.42	5.41	7.86	131.64	2,868.90	197.03	2,920.63	2,907.88	12.76	228.960		
1,553.36	1,551.88	1,883.69	1,859.80	5.56	8.07	150.66	2,865.36	190.79	2,917.67	2,904.57	13.10	222.647		
1,596.01	1,594.52	1,932.00	1,907.46	5.72	8.28	146.73	2,861.52	183.90	2,914.48	2,901.01	13.46	216.449		
1,638.66	1,637.16	1,977.20	1,952.04	5.87	8.49	139.55	2,857.92	177.34	2,911.14	2,897.33	13.81	210.740		
1,681.31	1,679.81	2,032.60	2,006.65	6.02	8.75	155.90	2,853.36	169.19	2,907.60	2,893.39	14.21	204.672		
1,723.96	1,722.45	2,079.48	2,052.87	6.17	8.96	144.85	2,849.31	162.49	2,904.03	2,889.47	14.56	199.442		
1,766.61	1,765.10	2,113.37	2,086.31	6.33	9.12	149.12	2,846.40	157.84	2,900.53	2,885.67	14.86	195.190		
1,809.26	1,807.74	2,157.38	2,129.74	6.48	9.32	146.81	2,842.68	151.81	2,897.04	2,881.84	15.20	190.578		
1,851.91	1,850.39	2,196.26	2,168.11	6.63	9.49	135.23	2,839.38	146.47	2,893.57	2,878.05	15.52	186.422		
1,894.56	1,893.03	2,232.87	2,204.26	6.78	9.65	132.57	2,836.33	141.57	2,890.17	2,874.34	15.83	182.554		
1,937.21	1,935.67	2,269.20	2,240.16	6.94	9.82	131.36	2,833.37	136.76	2,886.76	2,870.62	16.14	178.852		
1,979.86	1,978.32	2,305.55	2,276.08	7.09	9.98	130.44	2,830.48	131.99	2,883.40	2,866.95	16.45	175.292		
2,022.51	2,020.96	2,341.92	2,312.03	7.24	10.14	141.82	2,827.65	127.27	2,880.19	2,863.43	16.76	171.874		
2,065.16	2,063.61	2,378.32	2,348.02	7.40	10.30	139.75	2,824.90	122.59	2,877.14	2,860.07	17.07	168.588		
2,107.81	2,106.25	2,431.45	2,400.54	7.55	10.54	159.70	2,820.94	115.68	2,874.23	2,856.78	17.45	164.737		
2,150.46	2,148.89	2,521.38	2,488.88	7.70	10.97	159.30	2,813.21	100.76	2,870.70	2,852.70	18.00	159.514		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ SUNSET 4-65 21-22 2AH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
2,205.46	2,203.89	2,578.34	2,544.68	7.80	11.25	159.11	2,807.98	90.56	2,865.94	2,847.58	18.36	156.061		
2,300.00	2,298.37	2,663.70	2,628.31	7.82	11.67	128.16	2,800.17	75.39	2,858.48	2,839.69	18.79	152.165		
2,340.72	2,339.03	2,707.40	2,671.14	7.83	11.89	124.42	2,796.24	67.61	2,855.70	2,836.70	19.00	150.271		
2,400.00	2,398.21	2,781.63	2,743.83	7.86	12.25	124.23	2,789.33	54.29	2,851.66	2,832.28	19.37	147.184		
2,500.00	2,498.02	2,913.14	2,872.67	7.92	12.91	123.92	2,775.61	31.79	2,843.72	2,823.69	20.04	141.929		
2,600.00	2,597.84	2,995.44	2,953.31	7.99	13.31	123.73	2,766.82	17.82	2,835.69	2,815.19	20.50	138.338		
2,700.00	2,697.65	3,093.37	3,049.41	8.09	13.79	123.51	2,757.01	1.75	2,828.36	2,807.32	21.04	134.414		
2,800.00	2,797.47	3,185.17	3,139.43	8.20	14.24	123.30	2,747.62	-13.56	2,820.87	2,799.29	21.58	130.731		
2,900.00	2,897.29	3,267.24	3,219.95	8.32	14.64	123.11	2,739.70	-27.34	2,813.98	2,791.89	22.09	127.402		
3,000.00	2,997.10	3,357.76	3,308.76	8.46	15.09	122.89	2,731.44	-42.74	2,807.65	2,785.00	22.65	123.951		
3,100.00	3,096.92	3,466.07	3,415.00	8.61	15.62	122.62	2,721.56	-61.39	2,801.37	2,778.06	23.31	120.179		
3,200.00	3,196.73	3,586.07	3,532.70	8.78	16.20	122.34	2,709.67	-81.54	2,794.34	2,770.31	24.03	116.283		
3,300.00	3,296.55	3,656.47	3,601.84	8.96	16.55	122.18	2,702.90	-92.92	2,787.69	2,763.15	24.54	113.586		
3,400.00	3,396.37	3,771.85	3,715.21	9.15	17.10	121.92	2,691.95	-111.30	2,781.20	2,755.94	25.26	110.110		
3,500.00	3,496.18	3,853.42	3,795.43	9.35	17.49	121.75	2,684.15	-123.90	2,774.73	2,748.90	25.84	107.397		
3,600.00	3,596.00	3,909.80	3,850.96	9.56	17.75	121.63	2,679.47	-132.44	2,769.54	2,743.23	26.31	105.266		
3,700.00	3,695.81	3,973.94	3,914.21	9.78	18.05	121.50	2,675.09	-142.16	2,765.82	2,739.00	26.82	103.115		
3,800.00	3,795.63	4,055.90	3,995.00	10.01	18.42	121.32	2,670.39	-155.12	2,763.22	2,735.79	27.43	100.736		
3,900.00	3,895.45	4,281.07	4,215.96	10.25	19.51	120.75	2,651.51	-193.83	2,757.42	2,728.70	28.72	96.022		
4,000.00	3,995.26	4,407.00	4,339.43	10.50	20.13	120.45	2,637.81	-214.46	2,749.76	2,720.22	29.55	93.068		
4,100.00	4,095.08	4,489.88	4,420.68	10.76	20.54	120.25	2,628.77	-228.11	2,742.20	2,712.00	30.20	90.804		
4,200.00	4,194.89	4,584.95	4,513.94	11.02	21.01	120.02	2,619.08	-243.84	2,735.37	2,704.46	30.91	88.485		
4,300.00	4,294.71	4,684.29	4,611.26	11.28	21.50	119.76	2,608.41	-260.67	2,728.07	2,696.41	31.66	86.178		
4,400.00	4,394.53	4,762.04	4,687.53	11.56	21.89	119.57	2,600.67	-273.60	2,721.58	2,689.27	32.31	84.235		
4,500.00	4,494.34	4,500.00	4,805.08	11.84	20.59	119.27	2,588.70	-293.83	2,715.14	2,683.77	31.37	86.556		
4,600.00	4,594.16	5,006.60	4,927.19	12.12	23.10	118.95	2,574.60	-314.71	2,707.30	2,673.28	34.03	79.560		
4,700.00	4,693.97	5,082.00	5,001.10	12.41	23.47	118.76	2,566.48	-327.20	2,700.15	2,665.46	34.69	77.834		
4,800.00	4,793.79	5,202.70	5,119.46	12.70	24.07	118.46	2,553.45	-346.94	2,693.04	2,657.49	35.55	75.750		
4,900.00	4,893.61	5,297.08	5,211.95	13.00	24.54	118.22	2,542.75	-362.43	2,685.45	2,649.15	36.30	73.970		
5,000.00	4,993.42	5,389.19	5,302.35	13.30	24.99	118.00	2,532.88	-377.07	2,678.47	2,641.42	37.05	72.298		
5,100.00	5,093.24	5,522.79	5,433.36	13.61	25.64	117.68	2,517.65	-398.36	2,670.91	2,632.93	37.97	70.341		
5,200.00	5,193.06	5,611.78	5,520.45	13.92	26.09	117.44	2,506.99	-413.19	2,662.83	2,624.11	38.72	68.772		
5,300.00	5,292.87	5,680.79	5,588.03	14.23	26.44	117.26	2,499.23	-424.87	2,655.57	2,616.19	39.39	67.423		
5,400.00	5,392.69	5,763.51	5,669.13	14.54	26.84	117.04	2,490.79	-438.73	2,649.36	2,609.25	40.11	66.049		
5,500.00	5,492.50	5,861.87	5,765.69	14.86	27.33	116.79	2,481.03	-454.72	2,643.45	2,602.55	40.91	64.624		
5,600.00	5,592.32	5,936.07	5,838.52	15.18	27.69	116.60	2,473.86	-466.96	2,637.93	2,596.34	41.59	63.420		
5,700.00	5,692.14	6,019.35	5,920.32	15.50	28.09	116.38	2,466.75	-480.91	2,633.52	2,591.19	42.33	62.218		
5,800.00	5,791.95	6,113.60	6,012.95	15.83	28.54	116.14	2,458.82	-496.41	2,629.30	2,586.19	43.11	60.996		
5,900.00	5,891.77	6,211.60	6,109.52	16.16	29.00	115.92	2,450.98	-511.10	2,625.40	2,581.51	43.89	59.813		
6,000.00	5,991.58	6,346.50	6,242.13	16.48	29.64	115.58	2,439.20	-532.86	2,620.97	2,576.11	44.86	58.427		
6,100.00	6,091.40	6,416.16	6,310.64	16.81	29.97	115.40	2,433.15	-543.93	2,616.49	2,570.96	45.53	57.462		
6,200.00	6,191.22	6,515.49	6,408.35	17.15	30.44	115.16	2,424.85	-559.73	2,612.47	2,566.13	46.34	56.373		
6,300.00	6,291.03	6,599.24	6,490.85	17.48	30.83	114.96	2,418.18	-572.48	2,608.81	2,561.74	47.07	55.418		
6,400.00	6,390.85	6,702.03	6,592.28	17.82	31.30	114.74	2,410.39	-587.23	2,605.48	2,557.59	47.88	54.412		
6,500.00	6,490.66	6,817.97	6,706.41	18.15	31.84	114.47	2,400.65	-605.17	2,601.46	2,552.70	48.76	53.351		
6,600.00	6,590.48	6,921.79	6,808.96	18.49	32.32	114.27	2,392.17	-618.87	2,597.49	2,547.91	49.58	52.395		
6,700.00	6,690.30	7,021.35	6,906.67	18.83	32.80	113.99	2,383.25	-635.75	2,593.22	2,542.82	50.40	51.449		
6,800.00	6,790.11	7,128.42	7,011.66	19.17	33.33	113.68	2,373.59	-654.44	2,589.03	2,537.74	51.28	50.486		
6,900.00	6,889.93	7,391.83	7,271.32	19.52	34.42	113.39	2,343.89	-678.38	2,581.48	2,528.94	52.53	49.139		
7,000.00	6,989.74	7,496.89	7,374.26	19.86	34.63	113.86	2,332.63	-661.31	2,570.75	2,517.75	53.01	48.500		
7,100.00	7,089.56	7,561.33	7,436.12	20.21	34.69	114.30	2,327.19	-644.13	2,560.76	2,507.35	53.41	47.944		
7,200.00	7,189.38	7,852.73	7,689.55	20.55	34.77	117.65	2,303.36	-506.76	2,548.34	2,495.05	53.29	47.820		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ SUNSET 4-65 21-22 2AH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
7,300.00	7,289.19	7,960.79	7,764.95	20.90	34.73	119.47	2,294.45	-430.06	2,533.48	2,479.92	53.56	47.302		
7,342.81	7,331.92	7,987.69	7,781.71	21.05	34.73	119.97	2,292.49	-409.11	2,527.68	2,473.95	53.73	47.047		
7,350.00	7,339.10	7,991.91	7,784.26	21.07	34.72	114.88	2,292.19	-405.77	2,526.75	2,472.99	53.76	47.004		
7,400.00	7,388.77	8,017.25	7,799.23	21.26	34.72	101.54	2,290.49	-385.39	2,520.62	2,466.66	53.96	46.713		
7,450.00	7,437.78	8,037.69	7,810.80	21.46	34.72	98.27	2,289.20	-368.59	2,515.24	2,461.06	54.18	46.422		
7,500.00	7,485.76	8,052.43	7,818.88	21.68	34.72	97.06	2,288.31	-356.30	2,510.77	2,456.36	54.41	46.147		
7,550.00	7,532.34	8,061.73	7,823.88	21.91	34.72	96.47	2,287.76	-348.47	2,507.33	2,452.70	54.63	45.896		
7,600.00	7,577.17	8,066.35	7,826.32	22.16	34.72	96.07	2,287.49	-344.56	2,505.01	2,450.16	54.85	45.669		
7,650.00	7,619.91	8,066.91	7,826.62	22.44	34.72	95.69	2,287.45	-344.08	2,503.85	2,448.78	55.07	45.467		
7,674.10	7,639.67	8,065.91	7,826.09	22.58	34.72	95.49	2,287.51	-344.93	2,503.71	2,448.53	55.18	45.374 CC, ES		
7,700.00	7,660.24	8,064.00	7,825.08	22.74	34.72	95.25	2,287.62	-346.55	2,503.87	2,448.58	55.29	45.285		
7,750.00	7,697.84	8,058.09	7,821.93	23.07	34.72	94.72	2,287.97	-351.54	2,505.06	2,449.53	55.52	45.118		
7,800.00	7,732.43	8,049.60	7,817.35	23.43	34.72	94.09	2,288.48	-358.67	2,507.37	2,451.60	55.77	44.961		
7,850.00	7,763.75	8,038.88	7,811.45	23.84	34.72	93.35	2,289.13	-367.60	2,510.74	2,454.71	56.03	44.807		
7,900.00	7,791.55	8,022.00	7,801.95	24.29	34.72	92.43	2,290.19	-381.51	2,515.12	2,458.79	56.33	44.651		
7,950.00	7,815.64	8,022.00	7,801.95	24.79	34.72	91.80	2,290.19	-381.51	2,520.42	2,463.76	56.66	44.480		
8,000.00	7,835.81	7,998.96	7,788.50	25.35	34.72	90.65	2,291.71	-400.15	2,526.49	2,469.44	57.05	44.284		
8,050.00	7,851.93	7,983.81	7,779.34	25.96	34.73	89.62	2,292.76	-412.17	2,533.31	2,475.84	57.48	44.076		
8,100.00	7,863.86	7,967.70	7,769.32	26.62	34.73	88.53	2,293.93	-424.74	2,540.75	2,482.81	57.94	43.851		
8,150.00	7,871.52	7,950.75	7,758.49	27.33	34.74	87.42	2,295.21	-437.72	2,548.69	2,490.24	58.44	43.609		
8,200.00	7,874.85	7,933.00	7,746.84	28.07	34.74	86.28	2,296.61	-451.03	2,557.02	2,498.04	58.98	43.354		
8,213.19	7,875.00	7,933.00	7,746.84	28.27	34.74	86.06	2,296.61	-451.03	2,559.28	2,500.15	59.13	43.286		
8,300.00	7,875.00	7,897.54	7,722.46	29.67	34.75	85.51	2,299.51	-476.61	2,575.16	2,515.01	60.16	42.806		
8,400.00	7,875.00	7,865.86	7,699.42	31.43	34.76	84.99	2,302.22	-498.18	2,596.12	2,534.69	61.43	42.262		
8,500.00	7,875.00	7,844.00	7,682.87	33.31	34.77	84.62	2,304.14	-512.32	2,619.98	2,557.22	62.76	41.747		
8,600.00	7,875.00	7,802.80	7,650.52	35.29	34.77	83.91	2,307.78	-537.56	2,646.60	2,582.46	64.14	41.263		
8,700.00	7,875.00	7,773.16	7,626.47	37.37	34.78	83.37	2,310.39	-554.69	2,676.02	2,610.49	65.53	40.834		
8,800.00	7,875.00	7,755.00	7,611.43	39.52	34.78	83.04	2,311.98	-564.75	2,708.26	2,641.33	66.93	40.463		
8,900.00	7,875.00	7,726.89	7,587.61	41.73	34.78	82.52	2,314.41	-579.46	2,743.28	2,674.97	68.31	40.158		
9,000.00	7,875.00	7,708.49	7,571.63	44.00	34.77	82.17	2,315.97	-588.46	2,781.12	2,711.45	69.67	39.916		
9,100.00	7,875.00	7,692.02	7,557.10	46.32	34.77	81.85	2,317.33	-596.08	2,821.71	2,750.71	71.01	39.739		
9,200.00	7,875.00	7,666.00	7,533.70	48.67	34.76	81.34	2,319.44	-607.26	2,865.04	2,792.75	72.29	39.634		
9,300.00	7,875.00	7,666.00	7,533.70	51.05	34.76	81.34	2,319.44	-607.26	2,910.82	2,837.26	73.56	39.573 SF		
9,400.00	7,875.00	7,666.00	7,533.70	53.47	34.76	81.34	2,319.44	-607.26	2,959.27	2,884.49	74.78	39.573		
9,500.00	7,875.00	7,631.63	7,502.17	55.91	34.74	80.66	2,322.12	-620.68	3,009.77	2,933.86	75.91	39.651		
9,600.00	7,875.00	7,617.79	7,489.33	58.37	34.73	80.38	2,323.16	-625.73	3,062.67	2,985.65	77.01	39.768		
9,700.00	7,875.00	7,605.04	7,477.42	60.85	34.73	80.12	2,324.09	-630.19	3,117.72	3,039.65	78.07	39.933		
9,800.00	7,875.00	7,577.00	7,451.00	63.35	34.71	79.55	2,326.07	-639.36	3,174.97	3,095.92	79.05	40.163		
9,900.00	7,875.00	7,577.00	7,451.00	65.86	34.71	79.55	2,326.07	-639.36	3,233.95	3,153.91	80.04	40.403		
10,000.00	7,875.00	7,577.00	7,451.00	68.39	34.71	79.55	2,326.07	-639.36	3,294.91	3,213.93	80.98	40.686		
10,100.00	7,875.00	7,577.00	7,451.00	70.93	34.71	79.55	2,326.07	-639.36	3,357.75	3,275.87	81.88	41.008		
10,200.00	7,875.00	7,577.00	7,451.00	73.48	34.71	79.55	2,326.07	-639.36	3,422.35	3,339.62	82.73	41.368		
10,300.00	7,875.00	7,577.00	7,451.00	76.04	34.71	79.55	2,326.07	-639.36	3,488.62	3,405.08	83.54	41.761		
10,400.00	7,875.00	7,543.83	7,419.42	78.61	34.67	78.88	2,328.54	-649.19	3,555.82	3,471.58	84.24	42.211		
10,500.00	7,875.00	7,537.31	7,413.18	81.19	34.66	78.74	2,329.07	-651.00	3,624.88	3,539.92	84.96	42.668		
10,600.00	7,875.00	7,531.07	7,407.19	83.77	34.66	78.62	2,329.58	-652.69	3,695.30	3,609.66	85.64	43.151		
10,700.00	7,875.00	7,525.08	7,401.44	86.36	34.65	78.49	2,330.09	-654.29	3,767.02	3,680.73	86.28	43.659		
10,800.00	7,875.00	7,488.00	7,365.66	88.96	34.61	77.74	2,333.49	-663.40	3,840.55	3,753.72	86.83	44.230		
10,900.00	7,875.00	7,488.00	7,365.66	91.56	34.61	77.74	2,333.49	-663.40	3,914.46	3,827.03	87.43	44.773		
11,000.00	7,875.00	7,488.00	7,365.66	94.17	34.61	77.74	2,333.49	-663.40	3,989.51	3,901.52	88.00	45.338		
11,100.00	7,875.00	7,488.00	7,365.66	96.78	34.61	77.74	2,333.49	-663.40	4,065.64	3,977.11	88.53	45.923		
11,200.00	7,875.00	7,488.00	7,365.66	99.39	34.61	77.74	2,333.49	-663.40	4,142.78	4,053.74	89.04	46.526		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ SUNSET 4-65 21-22 2AH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
11,300.00	7,875.00	7,488.00	7,365.66	102.01	34.61	77.74	2,333.49	-663.40	4,220.88	4,131.35	89.53	47.146		
11,400.00	7,875.00	7,488.00	7,365.66	104.64	34.61	77.74	2,333.49	-663.40	4,299.89	4,209.90	89.99	47.783		
11,500.00	7,875.00	7,488.00	7,365.66	107.26	34.61	77.74	2,333.49	-663.40	4,379.75	4,289.33	90.42	48.435		
11,600.00	7,875.00	7,488.00	7,365.66	109.89	34.61	77.74	2,333.49	-663.40	4,460.43	4,369.59	90.84	49.102		
11,700.00	7,875.00	7,488.00	7,365.66	112.52	34.61	77.74	2,333.49	-663.40	4,541.88	4,450.64	91.24	49.782		
11,800.00	7,875.00	7,488.00	7,365.66	115.16	34.61	77.74	2,333.49	-663.40	4,624.05	4,532.44	91.61	50.474		
11,900.00	7,875.00	7,488.00	7,365.66	117.80	34.61	77.74	2,333.49	-663.40	4,706.92	4,614.94	91.97	51.178		
12,000.00	7,875.00	7,488.00	7,365.66	120.44	34.61	77.74	2,333.49	-663.40	4,790.43	4,698.12	92.31	51.893		
12,100.00	7,875.00	7,488.00	7,365.66	123.08	34.61	77.74	2,333.49	-663.40	4,874.57	4,781.93	92.64	52.619		
12,200.00	7,875.00	7,488.00	7,365.66	125.73	34.61	77.74	2,333.49	-663.40	4,959.30	4,866.35	92.95	53.354		
12,300.00	7,875.00	7,488.00	7,365.66	128.37	34.61	77.74	2,333.49	-663.40	5,044.59	4,951.34	93.25	54.098		
12,400.00	7,875.00	7,488.00	7,365.66	131.02	34.61	77.74	2,333.49	-663.40	5,130.41	5,036.87	93.53	54.852		
12,500.00	7,875.00	7,488.00	7,365.66	133.67	34.61	77.74	2,333.49	-663.40	5,216.73	5,122.93	93.80	55.613		
12,600.00	7,875.00	7,488.00	7,365.66	136.32	34.61	77.74	2,333.49	-663.40	5,303.54	5,209.47	94.06	56.382		
12,700.00	7,875.00	7,488.00	7,365.66	138.97	34.61	77.74	2,333.49	-663.40	5,390.80	5,296.48	94.31	57.158		
12,800.00	7,875.00	7,488.00	7,365.66	141.63	34.61	77.74	2,333.49	-663.40	5,478.49	5,383.94	94.55	57.941		
12,900.00	7,875.00	7,488.00	7,365.66	144.28	34.61	77.74	2,333.49	-663.40	5,566.61	5,471.82	94.78	58.731		
13,000.00	7,875.00	7,488.00	7,365.66	146.94	34.61	77.74	2,333.49	-663.40	5,655.11	5,560.11	95.00	59.527		
13,100.00	7,875.00	7,447.53	7,326.21	149.60	34.53	76.92	2,337.62	-671.41	5,742.65	5,647.48	95.17	60.340		
13,200.00	7,875.00	7,445.78	7,324.50	152.26	34.53	76.88	2,337.80	-671.70	5,831.78	5,736.40	95.38	61.146		
13,300.00	7,875.00	7,444.08	7,322.84	154.92	34.53	76.85	2,337.99	-671.98	5,921.25	5,825.68	95.57	61.957		
13,400.00	7,875.00	7,442.44	7,321.22	157.58	34.53	76.81	2,338.16	-672.24	6,011.04	5,915.28	95.76	62.773		
13,500.00	7,875.00	7,440.85	7,319.66	160.24	34.52	76.78	2,338.33	-672.49	6,101.15	6,005.21	95.94	63.593		
13,600.00	7,875.00	7,439.30	7,318.14	162.91	34.52	76.75	2,338.50	-672.73	6,191.56	6,095.44	96.12	64.418		
13,700.00	7,875.00	7,399.00	7,278.42	165.57	34.45	75.93	2,343.05	-677.75	6,283.49	6,187.26	96.24	65.293		
13,800.00	7,875.00	7,399.00	7,278.42	168.24	34.45	75.93	2,343.05	-677.75	6,374.37	6,277.97	96.40	66.123		
13,900.00	7,875.00	7,399.00	7,278.42	170.90	34.45	75.93	2,343.05	-677.75	6,465.52	6,368.96	96.56	66.956		
14,000.00	7,875.00	7,399.00	7,278.42	173.57	34.45	75.93	2,343.05	-677.75	6,556.93	6,460.21	96.72	67.793		
14,100.00	7,875.00	7,399.00	7,278.42	176.24	34.45	75.93	2,343.05	-677.75	6,648.58	6,551.71	96.87	68.634		
14,200.00	7,875.00	7,399.00	7,278.42	178.90	34.45	75.93	2,343.05	-677.75	6,740.47	6,643.45	97.02	69.478		
14,300.00	7,875.00	7,399.00	7,278.42	181.57	34.45	75.93	2,343.05	-677.75	6,832.59	6,735.43	97.16	70.324		
14,400.00	7,875.00	7,399.00	7,278.42	184.24	34.45	75.93	2,343.05	-677.75	6,924.93	6,827.63	97.30	71.174		
14,500.00	7,875.00	7,399.00	7,278.42	186.91	34.45	75.93	2,343.05	-677.75	7,017.48	6,920.05	97.43	72.027		
14,600.00	7,875.00	7,399.00	7,278.42	189.58	34.45	75.93	2,343.05	-677.75	7,110.22	7,012.67	97.56	72.882		
14,700.00	7,875.00	7,399.00	7,278.42	192.26	34.45	75.93	2,343.05	-677.75	7,203.17	7,105.48	97.68	73.739		
14,800.00	7,875.00	7,399.00	7,278.42	194.93	34.45	75.93	2,343.05	-677.75	7,296.30	7,198.49	97.81	74.599		
14,900.00	7,875.00	7,399.00	7,278.42	197.60	34.45	75.93	2,343.05	-677.75	7,389.61	7,291.68	97.93	75.461		
15,000.00	7,875.00	7,399.00	7,278.42	200.27	34.45	75.93	2,343.05	-677.75	7,483.09	7,385.05	98.04	76.324		
15,100.00	7,875.00	7,399.00	7,278.42	202.95	34.45	75.93	2,343.05	-677.75	7,576.74	7,478.58	98.16	77.190		
15,200.00	7,875.00	7,399.00	7,278.42	205.62	34.45	75.93	2,343.05	-677.75	7,670.55	7,572.28	98.27	78.058		
15,300.00	7,875.00	7,399.00	7,278.42	208.29	34.45	75.93	2,343.05	-677.75	7,764.51	7,666.14	98.38	78.927		
15,400.00	7,875.00	7,399.00	7,278.42	210.97	34.45	75.93	2,343.05	-677.75	7,858.63	7,760.14	98.48	79.798		
15,500.00	7,875.00	7,399.00	7,278.42	213.64	34.45	75.93	2,343.05	-677.75	7,952.88	7,854.30	98.58	80.671		
15,600.00	7,875.00	7,399.00	7,278.42	216.32	34.45	75.93	2,343.05	-677.75	8,047.28	7,948.59	98.69	81.544		
15,700.00	7,875.00	7,399.00	7,278.42	218.99	34.45	75.93	2,343.05	-677.75	8,141.81	8,043.02	98.78	82.420		
15,800.00	7,875.00	7,399.00	7,278.42	221.67	34.45	75.93	2,343.05	-677.75	8,236.46	8,137.58	98.88	83.296		
15,900.00	7,875.00	7,399.00	7,278.42	224.35	34.45	75.93	2,343.05	-677.75	8,331.25	8,232.27	98.98	84.173		
16,000.00	7,875.00	7,399.00	7,278.42	227.02	34.45	75.93	2,343.05	-677.75	8,426.15	8,327.08	99.07	85.052		
16,100.00	7,875.00	7,399.00	7,278.42	229.70	34.45	75.93	2,343.05	-677.75	8,521.17	8,422.01	99.16	85.932		
16,200.00	7,875.00	7,399.00	7,278.42	232.38	34.45	75.93	2,343.05	-677.75	8,616.30	8,517.05	99.25	86.812		
16,300.00	7,875.00	7,399.00	7,278.42	235.06	34.45	75.93	2,343.05	-677.75	8,711.54	8,612.20	99.34	87.694		
16,400.00	7,875.00	7,399.00	7,278.42	237.73	34.45	75.93	2,343.05	-677.75	8,806.89	8,707.46	99.43	88.576		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ SUNSET 4-65 21-22 2AH - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
16,500.00	7,875.00	7,399.00	7,278.42	240.41	34.45	75.93	2,343.05	-677.75	8,902.34	8,802.83	99.51	89.459	
16,600.00	7,875.00	7,399.00	7,278.42	243.09	34.45	75.93	2,343.05	-677.75	8,997.89	8,898.29	99.60	90.342	
16,700.00	7,875.00	7,399.00	7,278.42	245.77	34.45	75.93	2,343.05	-677.75	9,093.53	8,993.85	99.68	91.227	
16,800.00	7,875.00	7,399.00	7,278.42	248.45	34.45	75.93	2,343.05	-677.75	9,189.27	9,089.51	99.76	92.111	
16,900.00	7,875.00	7,399.00	7,278.42	251.13	34.45	75.93	2,343.05	-677.75	9,285.10	9,185.25	99.84	92.996	
17,000.00	7,875.00	7,399.00	7,278.42	253.81	34.45	75.93	2,343.05	-677.75	9,381.01	9,281.09	99.92	93.882	
17,100.00	7,875.00	7,399.00	7,278.42	256.49	34.45	75.93	2,343.05	-677.75	9,477.01	9,377.01	100.00	94.768	
17,200.00	7,875.00	7,399.00	7,278.42	259.17	34.45	75.93	2,343.05	-677.75	9,573.09	9,473.01	100.08	95.654	
17,300.00	7,875.00	7,399.00	7,278.42	261.85	34.45	75.93	2,343.05	-677.75	9,669.25	9,569.09	100.16	96.541	
17,400.00	7,875.00	7,399.00	7,278.42	264.53	34.45	75.93	2,343.05	-677.75	9,765.49	9,665.25	100.23	97.428	
17,500.00	7,875.00	7,399.00	7,278.42	267.21	34.45	75.93	2,343.05	-677.75	9,861.80	9,761.49	100.31	98.315	
17,600.00	7,875.00	7,399.00	7,278.42	269.89	34.45	75.93	2,343.05	-677.75	9,958.18	9,857.80	100.38	99.202	

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 90-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	0.00	75.04	0.00	75.04					
29.38	29.38	28.61	28.61	0.01	0.04	124.73	75.12	-0.06	75.16	75.10	0.06	1,252.562		
59.94	59.94	58.71	58.71	0.12	0.08	102.70	75.38	-0.24	75.48	75.27	0.20	375.311		
90.50	90.50	88.81	88.81	0.23	0.13	133.89	75.83	-0.55	76.02	75.67	0.35	216.750		
121.06	121.06	119.12	119.11	0.34	0.23	136.58	76.42	-0.92	76.85	76.28	0.57	135.549		
151.62	151.62	149.64	149.62	0.45	0.34	102.25	77.06	-1.29	77.68	76.90	0.78	99.081		
212.74	212.73	209.96	209.90	0.67	0.55	122.43	78.71	-2.17	79.64	78.42	1.22	65.239		
273.86	273.84	270.68	270.59	0.89	0.77	106.05	80.74	-3.04	82.04	80.38	1.66	49.470		
316.51	316.48	313.78	313.66	1.04	0.93	109.66	82.16	-3.53	83.71	81.75	1.96	42.605		
359.16	359.12	356.69	356.55	1.19	1.08	114.53	83.35	-3.74	85.36	83.09	2.27	37.568		
401.81	401.74	399.27	399.11	1.35	1.23	118.89	84.46	-3.77	87.21	84.63	2.58	33.813		
444.46	444.34	441.83	441.67	1.51	1.39	115.91	85.58	-3.81	89.25	86.37	2.89	30.922		
487.11	486.92	484.10	483.92	1.66	1.54	117.10	86.75	-3.92	91.49	88.30	3.19	28.648		
529.76	529.49	526.20	526.00	1.82	1.69	117.05	88.06	-3.92	94.05	90.55	3.50	26.863		
572.41	572.04	568.62	568.39	1.98	1.84	119.18	89.51	-3.84	96.84	93.03	3.81	25.423		
615.06	614.59	610.72	610.47	2.14	1.99	117.54	91.02	-3.80	99.76	95.64	4.12	24.234		
657.71	657.13	652.57	652.28	2.30	2.15	118.60	92.73	-3.67	102.95	98.53	4.42	23.275		
700.36	699.68	694.59	694.26	2.46	2.30	123.45	94.62	-3.28	106.45	101.72	4.73	22.506		
743.01	742.23	736.71	736.33	2.61	2.45	125.76	96.59	-2.58	110.13	105.10	5.04	21.872		
785.66	784.78	777.96	777.51	2.77	2.60	131.48	98.74	-1.77	114.34	109.01	5.34	21.418		
828.31	827.31	819.59	819.06	2.94	2.75	133.86	101.27	-0.90	119.22	113.58	5.64	21.125		
870.96	869.88	862.51	861.88	3.09	2.91	135.08	103.99	-0.27	123.86	117.91	5.95	20.813		
913.61	912.48	905.15	904.45	3.25	3.06	142.21	106.54	0.17	127.93	121.68	6.26	20.448		
956.26	955.09	949.54	948.77	3.41	3.23	144.92	108.97	0.43	131.79	125.22	6.57	20.056		
998.91	997.69	994.31	993.50	3.56	3.39	145.49	110.70	0.40	135.00	128.11	6.89	19.600		
1,041.56	1,040.31	1,039.07	1,038.25	3.72	3.55	145.94	111.71	0.23	137.29	130.09	7.20	19.064		
1,084.21	1,082.93	1,083.34	1,082.52	3.87	3.70	149.27	112.09	-0.03	138.70	131.19	7.51	18.469		
1,126.86	1,125.57	1,125.32	1,124.49	4.03	3.85	145.49	112.27	-0.25	139.89	132.08	7.81	17.911		
1,169.51	1,168.19	1,167.74	1,166.91	4.18	4.00	149.93	112.56	-0.32	141.33	133.22	8.11	17.417		
1,212.16	1,210.82	1,210.33	1,209.50	4.34	4.15	158.03	112.89	-0.39	142.85	134.43	8.42	16.967		
1,254.81	1,253.45	1,252.68	1,251.85	4.49	4.30	170.14	113.30	-0.60	144.36	135.64	8.72	16.552		
1,297.46	1,296.09	1,296.31	1,295.47	4.64	4.46	168.73	113.67	-0.98	145.68	136.65	9.03	16.138		
1,340.11	1,338.72	1,337.84	1,337.00	4.79	4.60	173.12	113.98	-1.20	146.99	137.67	9.32	15.764		
1,382.76	1,381.36	1,380.75	1,379.91	4.95	4.76	160.90	114.37	-1.21	148.54	138.91	9.63	15.426		
1,425.41	1,423.99	1,423.71	1,422.87	5.10	4.91	146.00	114.65	-1.17	149.91	139.97	9.94	15.089		
1,468.06	1,466.62	1,466.27	1,465.44	5.26	5.06	141.04	114.86	-1.10	151.21	140.97	10.24	14.767		
1,510.71	1,509.24	1,509.33	1,508.49	5.41	5.21	145.08	115.02	-0.99	152.54	142.00	10.54	14.466		
1,553.36	1,551.88	1,550.60	1,549.76	5.56	5.36	164.48	115.28	-0.89	153.82	142.97	10.84	14.185		
1,596.01	1,594.52	1,593.64	1,592.80	5.72	5.51	160.76	115.71	-0.72	155.07	143.93	11.15	13.910		
1,638.66	1,637.16	1,635.04	1,634.20	5.87	5.66	153.78	116.22	-0.61	156.28	144.83	11.45	13.652		
1,681.31	1,679.81	1,677.46	1,676.61	6.02	5.81	170.28	117.01	-0.58	157.58	145.83	11.75	13.411		
1,723.96	1,722.45	1,720.04	1,719.18	6.17	5.96	159.28	117.84	-0.60	159.04	146.98	12.05	13.193		
1,766.61	1,765.10	1,762.53	1,761.66	6.33	6.12	163.63	118.69	-0.63	160.55	148.19	12.36	12.990		
1,809.26	1,807.74	1,805.10	1,804.22	6.48	6.27	161.39	119.57	-0.63	162.01	149.34	12.66	12.793		
1,851.91	1,850.39	1,847.98	1,847.10	6.63	6.42	149.91	120.40	-0.55	163.51	150.54	12.97	12.607		
1,894.56	1,893.03	1,890.08	1,889.18	6.78	6.57	147.46	121.21	-0.41	165.04	151.77	13.27	12.435		
1,937.21	1,935.67	1,933.16	1,932.26	6.94	6.73	146.42	122.08	-0.24	166.50	152.92	13.58	12.260		
1,979.86	1,978.32	1,975.87	1,974.96	7.09	6.88	145.72	122.80	0.03	167.80	153.91	13.88	12.085		
2,022.51	2,020.96	2,019.50	2,018.59	7.24	7.03	157.43	123.30	0.61	169.03	154.84	14.19	11.911		
2,065.16	2,063.61	2,063.15	2,062.23	7.40	7.18	155.74	123.48	1.31	170.07	155.57	14.49	11.733		
2,107.81	2,106.25	2,106.22	2,105.29	7.55	7.33	176.06	123.50	1.84	170.95	156.16	14.79	11.556		
2,150.46	2,148.89	2,148.55	2,147.62	7.70	7.48	176.11	123.52	2.34	171.87	156.78	15.09	11.390		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ SUNSET 4-65 21-22 3AH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 90-MWD OWSG													Offset Well Error:	0.00 usft
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	
2,205.46	2,203.89	2,203.58	2,202.64	7.80	7.67	176.30	123.62	2.92	173.14	157.76	15.38	11.259		
2,300.00	2,298.37	2,298.04	2,297.10	7.82	7.99	145.68	124.27	2.60	176.29	160.57	15.72	11.214 SF		
2,340.72	2,339.03	2,338.70	2,337.76	7.83	8.14	142.13	124.76	1.91	178.27	162.39	15.88	11.230		
2,400.00	2,398.21	2,396.60	2,395.62	7.86	8.34	142.22	125.83	0.32	181.56	165.46	16.10	11.277		
2,500.00	2,498.02	2,492.35	2,491.19	7.92	8.68	141.66	129.72	-3.99	188.58	172.10	16.49	11.439		
2,600.00	2,597.84	2,587.79	2,586.19	7.99	9.03	140.38	136.56	-9.96	197.96	181.07	16.89	11.723		
2,700.00	2,697.65	2,683.67	2,681.22	8.09	9.39	138.34	146.03	-18.42	209.27	191.96	17.31	12.091		
2,800.00	2,797.47	2,780.40	2,776.78	8.20	9.75	136.03	157.33	-28.33	222.21	204.46	17.76	12.515		
2,900.00	2,897.29	2,875.64	2,870.60	8.32	10.13	133.70	169.66	-39.06	236.52	218.31	18.21	12.991		
3,000.00	2,997.10	2,970.77	2,963.82	8.46	10.51	131.11	183.76	-51.70	252.71	234.04	18.67	13.532		
3,100.00	3,096.92	3,066.19	3,056.98	8.61	10.90	128.53	199.04	-65.60	270.41	251.25	19.16	14.110		
3,200.00	3,196.73	3,164.39	3,152.69	8.78	11.32	126.07	215.18	-80.47	288.98	269.28	19.70	14.668		
3,300.00	3,296.55	3,260.36	3,246.30	8.96	11.73	124.07	231.10	-94.43	308.17	287.94	20.23	15.234		
3,400.00	3,396.37	3,357.60	3,341.17	9.15	12.15	122.32	247.32	-108.29	327.78	307.00	20.79	15.770		
3,500.00	3,496.18	3,452.54	3,433.64	9.35	12.58	120.79	263.98	-121.96	348.51	327.18	21.33	16.340		
3,600.00	3,596.00	3,551.29	3,529.88	9.56	13.02	119.35	280.81	-136.27	368.98	347.05	21.93	16.828		
3,700.00	3,695.81	3,649.46	3,625.57	9.78	13.47	118.12	297.77	-150.18	389.85	367.32	22.53	17.305		
3,800.00	3,795.63	3,740.61	3,714.27	10.01	13.89	117.05	314.01	-163.46	411.45	388.38	23.06	17.839		
3,900.00	3,895.45	3,838.84	3,809.66	10.25	14.35	115.92	332.04	-178.44	433.79	410.10	23.69	18.311		
4,000.00	3,995.26	3,935.60	3,903.64	10.50	14.81	114.92	349.80	-193.11	456.27	431.97	24.31	18.770		
4,100.00	4,095.08	4,034.14	3,999.41	10.76	15.28	114.03	367.72	-207.85	478.67	453.72	24.95	19.183		
4,200.00	4,194.89	4,131.45	4,093.98	11.02	15.75	113.21	385.33	-222.51	501.10	475.51	25.59	19.580		
4,300.00	4,294.71	4,230.59	4,190.38	11.28	16.23	112.45	403.11	-237.38	523.46	497.20	26.26	19.937		
4,400.00	4,394.53	4,332.43	4,289.62	11.56	16.72	111.84	420.95	-251.63	545.30	518.35	26.95	20.233		
4,500.00	4,494.34	4,425.33	4,380.19	11.84	17.17	111.31	436.91	-264.75	566.89	539.32	27.56	20.566		
4,600.00	4,594.16	4,521.28	4,473.48	12.12	17.64	110.74	454.18	-279.10	589.48	561.27	28.21	20.893		
4,700.00	4,693.97	4,617.50	4,567.05	12.41	18.11	110.22	471.50	-293.30	612.09	583.22	28.87	21.200		
4,800.00	4,793.79	4,715.36	4,662.20	12.70	18.60	109.73	489.23	-307.75	634.85	605.30	29.55	21.483		
4,900.00	4,893.61	4,812.75	4,756.92	13.00	19.08	109.29	506.80	-322.05	657.57	627.34	30.23	21.752		
5,000.00	4,993.42	4,911.65	4,853.14	13.30	19.57	108.87	524.52	-336.52	680.18	649.25	30.93	21.993		
5,100.00	5,093.24	5,009.51	4,948.34	13.61	20.06	108.45	541.85	-351.17	702.71	671.09	31.62	22.224		
5,200.00	5,193.06	5,108.25	5,044.33	13.92	20.56	107.98	558.95	-366.73	725.09	692.77	32.32	22.433		
5,300.00	5,292.87	5,206.50	5,139.87	14.23	21.05	107.55	575.85	-382.24	747.40	714.38	33.02	22.632		
5,400.00	5,392.69	5,304.40	5,235.10	14.54	21.55	107.14	592.56	-397.61	769.60	735.87	33.73	22.818		
5,500.00	5,492.50	5,398.90	5,326.99	14.86	22.03	106.76	608.79	-412.49	791.95	757.55	34.40	23.020		
5,600.00	5,592.32	5,494.49	5,419.84	15.18	22.51	106.39	625.50	-427.90	814.73	779.64	35.09	23.217		
5,700.00	5,692.14	5,588.75	5,511.34	15.50	23.00	106.02	642.07	-443.36	837.71	801.94	35.77	23.418		
5,800.00	5,791.95	5,699.65	5,619.11	15.83	23.57	105.63	661.26	-461.13	860.38	823.78	36.60	23.508		
5,900.00	5,891.77	5,796.35	5,713.31	16.16	24.06	105.34	677.29	-475.95	882.16	844.85	37.30	23.648		
6,000.00	5,991.58	5,897.39	5,811.77	16.48	24.56	105.05	693.82	-491.53	903.77	865.73	38.04	23.756		
6,100.00	6,091.40	5,997.29	5,909.20	16.81	25.06	104.78	709.86	-506.65	925.05	886.27	38.78	23.855		
6,200.00	6,191.22	6,102.11	6,011.50	17.15	25.59	104.53	726.54	-522.25	946.13	906.58	39.55	23.922		
6,300.00	6,291.03	6,192.91	6,100.29	17.48	26.04	104.34	740.44	-535.24	966.51	926.29	40.22	24.033		
6,400.00	6,390.85	6,278.84	6,183.94	17.82	26.47	104.12	754.83	-548.60	988.57	947.72	40.84	24.205		
6,500.00	6,490.66	6,376.16	6,278.60	18.15	26.97	103.88	771.31	-564.07	1,010.96	969.40	41.56	24.323		
6,600.00	6,590.48	6,471.17	6,371.01	18.49	27.46	103.65	787.48	-579.12	1,033.44	991.17	42.27	24.449		
6,700.00	6,690.30	6,568.86	6,466.00	18.83	27.97	103.44	804.37	-594.40	1,056.13	1,013.13	43.00	24.562		
6,800.00	6,790.11	6,662.15	6,556.75	19.17	28.45	103.28	820.69	-608.61	1,078.88	1,035.19	43.69	24.693		
6,900.00	6,889.93	6,767.03	6,658.78	19.52	28.99	103.10	839.05	-624.50	1,101.65	1,057.16	44.48	24.767		
7,000.00	6,989.74	6,864.79	6,753.96	19.86	29.49	102.93	855.69	-639.40	1,123.97	1,078.76	45.21	24.859		
7,100.00	7,089.56	6,962.29	6,848.90	20.21	29.99	102.77	872.20	-654.17	1,146.21	1,100.26	45.94	24.948		
7,200.00	7,189.38	7,052.15	6,936.36	20.55	30.45	102.66	887.99	-667.46	1,168.91	1,122.30	46.62	25.076		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ SUNSET 4-65 21-22 3AH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 90-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
7,300.00	7,289.19	7,150.17	7,031.79	20.90	30.95	102.58	905.64	-681.22	1,191.81	1,144.45	47.35	25.169		
7,342.81	7,331.92	7,191.02	7,071.61	21.05	31.16	102.58	913.24	-686.30	1,201.62	1,153.96	47.66	25.213		
7,350.00	7,339.10	7,197.89	7,078.30	21.07	31.20	97.16	914.54	-687.10	1,203.26	1,155.55	47.71	25.220		
7,400.00	7,388.77	7,259.66	7,138.63	21.26	31.48	82.01	926.69	-692.14	1,213.66	1,165.47	48.18	25.188		
7,450.00	7,437.78	7,450.00	7,312.47	21.46	32.16	79.97	960.72	-676.81	1,220.70	1,171.34	49.36	24.730		
7,500.00	7,485.76	7,524.96	7,395.44	21.68	32.33	79.97	974.03	-655.24	1,222.44	1,172.56	49.88	24.508		
7,550.00	7,532.34	7,556.55	7,424.59	21.91	32.40	79.75	979.17	-644.21	1,223.32	1,173.05	50.27	24.336		
7,600.00	7,577.17	7,635.91	7,495.46	22.16	32.52	81.92	991.98	-610.99	1,223.91	1,173.06	50.85	24.069		
7,650.00	7,619.91	7,698.29	7,548.71	22.44	32.58	84.00	1,000.30	-579.60	1,223.74	1,172.33	51.41	23.803		
7,650.79	7,620.57	7,699.00	7,549.31	22.44	32.58	84.02	1,000.39	-579.22	1,223.74	1,172.32	51.42	23.799		
7,700.00	7,660.24	7,734.70	7,578.75	22.74	32.62	85.19	1,004.50	-559.47	1,224.14	1,172.22	51.92	23.575		
7,750.00	7,697.84	7,756.28	7,596.18	23.07	32.63	85.75	1,006.75	-546.94	1,225.65	1,173.24	52.41	23.384		
7,800.00	7,732.43	7,800.00	7,583.35	23.43	32.67	84.51	1,005.04	-555.91	1,228.64	1,175.77	52.87	23.238		
7,850.00	7,763.75	7,850.00	7,587.56	23.84	32.72	84.14	1,005.65	-553.20	1,233.08	1,179.68	53.40	23.092		
7,900.00	7,791.55	7,900.00	7,588.17	24.29	32.77	83.47	1,005.73	-552.80	1,238.90	1,184.97	53.93	22.971		
7,950.00	7,815.64	7,755.20	7,595.32	24.79	32.63	83.06	1,006.64	-547.58	1,246.03	1,191.80	54.23	22.978		
8,000.00	7,835.81	7,742.00	7,584.68	25.35	32.62	81.54	1,005.28	-555.28	1,254.45	1,199.78	54.67	22.946		
8,050.00	7,851.93	7,725.69	7,571.40	25.96	32.61	79.82	1,003.50	-564.57	1,263.88	1,208.76	55.12	22.930		
8,100.00	7,863.86	7,706.90	7,555.88	26.62	32.59	77.95	1,001.34	-574.96	1,274.10	1,218.52	55.58	22.923		
8,150.00	7,871.52	7,686.09	7,538.47	27.33	32.57	75.99	998.79	-586.06	1,284.88	1,228.82	56.06	22.922		
8,200.00	7,874.85	7,663.64	7,519.40	28.07	32.55	73.98	995.86	-597.55	1,295.98	1,239.44	56.54	22.921		
8,213.19	7,875.00	7,657.48	7,514.12	28.27	32.55	73.45	995.02	-600.61	1,298.94	1,242.27	56.67	22.921		
8,300.00	7,875.00	7,620.68	7,482.13	29.67	32.50	72.00	989.71	-617.97	1,320.52	1,262.97	57.55	22.944		
8,400.00	7,875.00	7,585.90	7,451.18	31.43	32.45	70.60	984.17	-632.85	1,350.69	1,292.08	58.61	23.044		
8,500.00	7,875.00	7,568.00	7,435.01	33.31	32.42	69.87	981.13	-639.90	1,386.56	1,326.78	59.79	23.192		
8,600.00	7,875.00	7,568.00	7,435.01	35.29	32.42	69.87	981.13	-639.90	1,428.40	1,367.34	61.06	23.392		
8,700.00	7,875.00	7,532.94	7,402.85	37.37	32.35	68.43	975.29	-652.57	1,474.75	1,412.89	61.86	23.842		
8,800.00	7,875.00	7,520.55	7,391.33	39.52	32.33	67.92	973.34	-656.68	1,526.33	1,463.54	62.79	24.309		
8,900.00	7,875.00	7,509.24	7,380.74	41.73	32.30	67.46	971.61	-660.27	1,582.32	1,518.70	63.62	24.870		
9,000.00	7,875.00	7,479.00	7,352.14	44.00	32.24	66.22	967.25	-669.07	1,642.65	1,578.50	64.15	25.608		
9,100.00	7,875.00	7,479.00	7,352.14	46.32	32.24	66.22	967.25	-669.07	1,705.94	1,641.03	64.91	26.283		
9,200.00	7,875.00	7,479.00	7,352.14	48.67	32.24	66.22	967.25	-669.07	1,772.61	1,707.05	65.57	27.035		
9,300.00	7,875.00	7,479.00	7,352.14	51.05	32.24	66.22	967.25	-669.07	1,842.31	1,776.17	66.14	27.854		
9,400.00	7,875.00	7,479.00	7,352.14	53.47	32.24	66.22	967.25	-669.07	1,914.69	1,848.05	66.64	28.733		
9,500.00	7,875.00	7,479.00	7,352.14	55.91	32.24	66.22	967.25	-669.07	1,989.46	1,922.40	67.07	29.664		
9,600.00	7,875.00	7,479.00	7,352.14	58.37	32.24	66.22	967.25	-669.07	2,066.37	1,998.94	67.44	30.642		
9,700.00	7,875.00	7,444.60	7,319.14	60.85	32.15	64.80	962.21	-677.32	2,144.14	2,076.71	67.43	31.800		
9,800.00	7,875.00	7,439.39	7,314.10	63.35	32.14	64.59	961.40	-678.38	2,224.30	2,156.64	67.66	32.875		
9,900.00	7,875.00	7,434.64	7,309.50	65.86	32.12	64.39	960.64	-679.30	2,305.97	2,238.11	67.86	33.981		
10,000.00	7,875.00	7,430.30	7,305.30	68.39	32.11	64.21	959.95	-680.10	2,388.99	2,320.96	68.04	35.114		
10,100.00	7,875.00	7,426.32	7,301.44	70.93	32.10	64.05	959.30	-680.81	2,473.25	2,405.06	68.19	36.271		
10,200.00	7,875.00	7,390.00	7,266.02	73.48	32.00	62.55	953.08	-685.87	2,559.60	2,491.61	67.98	37.650		
10,300.00	7,875.00	7,390.00	7,266.02	76.04	32.00	62.55	953.08	-685.87	2,645.77	2,577.63	68.14	38.830		
10,400.00	7,875.00	7,390.00	7,266.02	78.61	32.00	62.55	953.08	-685.87	2,732.89	2,664.62	68.27	40.030		
10,500.00	7,875.00	7,390.00	7,266.02	81.19	32.00	62.55	953.08	-685.87	2,820.86	2,752.47	68.39	41.247		
10,600.00	7,875.00	7,390.00	7,266.02	83.77	32.00	62.55	953.08	-685.87	2,909.61	2,841.11	68.49	42.479		
10,700.00	7,875.00	7,390.00	7,266.02	86.36	32.00	62.55	953.08	-685.87	2,999.06	2,930.48	68.59	43.726		
10,800.00	7,875.00	7,390.00	7,266.02	88.96	32.00	62.55	953.08	-685.87	3,089.17	3,020.50	68.67	44.985		
10,900.00	7,875.00	7,390.00	7,266.02	91.56	32.00	62.55	953.08	-685.87	3,179.86	3,111.12	68.74	46.256		
11,000.00	7,875.00	7,390.00	7,266.02	94.17	32.00	62.55	953.08	-685.87	3,271.10	3,202.29	68.81	47.537		
11,100.00	7,875.00	7,390.00	7,266.02	96.78	32.00	62.55	953.08	-685.87	3,362.84	3,293.97	68.87	48.828		
11,200.00	7,875.00	7,390.00	7,266.02	99.39	32.00	62.55	953.08	-685.87	3,455.03	3,386.11	68.93	50.126		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ SUNSET 4-65 21-22 3AH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 90-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
11,300.00	7,875.00	7,390.00	7,266.02	102.01	32.00	62.55	953.08	-685.87	3,547.65	3,478.67	68.98	51.433		
11,400.00	7,875.00	7,390.00	7,266.02	104.64	32.00	62.55	953.08	-685.87	3,640.66	3,571.64	69.02	52.746		
11,500.00	7,875.00	7,390.00	7,266.02	107.26	32.00	62.55	953.08	-685.87	3,734.03	3,664.96	69.07	54.065		
11,600.00	7,875.00	7,390.00	7,266.02	109.89	32.00	62.55	953.08	-685.87	3,827.73	3,758.63	69.11	55.390		
11,700.00	7,875.00	7,390.00	7,266.02	112.52	32.00	62.55	953.08	-685.87	3,921.75	3,852.61	69.14	56.719		
11,800.00	7,875.00	7,390.00	7,266.02	115.16	32.00	62.55	953.08	-685.87	4,016.05	3,946.87	69.18	58.054		
11,900.00	7,875.00	7,390.00	7,266.02	117.80	32.00	62.55	953.08	-685.87	4,110.63	4,041.41	69.21	59.392		
12,000.00	7,875.00	7,390.00	7,266.02	120.44	32.00	62.55	953.08	-685.87	4,205.45	4,136.21	69.24	60.733		
12,100.00	7,875.00	7,390.00	7,266.02	123.08	32.00	62.55	953.08	-685.87	4,300.51	4,231.23	69.28	62.078		
12,200.00	7,875.00	7,390.00	7,266.02	125.73	32.00	62.55	953.08	-685.87	4,395.79	4,326.48	69.31	63.425		
12,300.00	7,875.00	7,390.00	7,266.02	128.37	32.00	62.55	953.08	-685.87	4,491.27	4,421.94	69.34	64.775		
12,400.00	7,875.00	7,390.00	7,266.02	131.02	32.00	62.55	953.08	-685.87	4,586.95	4,517.58	69.37	66.127		
12,500.00	7,875.00	7,390.00	7,266.02	133.67	32.00	62.55	953.08	-685.87	4,682.81	4,613.41	69.40	67.480		
12,600.00	7,875.00	7,390.00	7,266.02	136.32	32.00	62.55	953.08	-685.87	4,778.83	4,709.41	69.42	68.835		
12,700.00	7,875.00	7,390.00	7,266.02	138.97	32.00	62.55	953.08	-685.87	4,875.02	4,805.57	69.45	70.192		
12,800.00	7,875.00	7,390.00	7,266.02	141.63	32.00	62.55	953.08	-685.87	4,971.36	4,901.88	69.48	71.549		
12,900.00	7,875.00	7,390.00	7,266.02	144.28	32.00	62.55	953.08	-685.87	5,067.84	4,998.33	69.51	72.907		
13,000.00	7,875.00	7,390.00	7,266.02	146.94	32.00	62.55	953.08	-685.87	5,164.45	5,094.91	69.54	74.266		
13,100.00	7,875.00	7,356.70	7,233.44	149.60	31.88	61.18	946.86	-688.93	5,260.72	5,191.44	69.28	75.939		
13,200.00	7,875.00	7,354.97	7,231.76	152.26	31.87	61.11	946.53	-689.07	5,357.52	5,288.23	69.29	77.319		
13,300.00	7,875.00	7,353.31	7,230.13	154.92	31.86	61.04	946.20	-689.20	5,454.45	5,385.14	69.31	78.699		
13,400.00	7,875.00	7,351.70	7,228.56	157.58	31.86	60.97	945.89	-689.32	5,551.48	5,482.15	69.33	80.078		
13,500.00	7,875.00	7,350.14	7,227.04	160.24	31.85	60.91	945.59	-689.43	5,648.61	5,579.26	69.34	81.458		
13,600.00	7,875.00	7,348.64	7,225.56	162.91	31.85	60.85	945.29	-689.54	5,745.83	5,676.47	69.36	82.836		
13,700.00	7,875.00	7,347.18	7,224.14	165.57	31.84	60.79	945.00	-689.65	5,843.15	5,773.77	69.38	84.214		
13,800.00	7,875.00	7,345.76	7,222.75	168.24	31.84	60.73	944.72	-689.75	5,940.56	5,871.15	69.41	85.592		
13,900.00	7,875.00	7,344.39	7,221.42	170.90	31.83	60.68	944.45	-689.84	6,038.05	5,968.62	69.43	86.968		
14,000.00	7,875.00	7,343.07	7,220.12	173.57	31.83	60.62	944.19	-689.93	6,135.62	6,066.16	69.45	88.343		
14,100.00	7,875.00	7,341.78	7,218.86	176.24	31.82	60.57	943.93	-690.02	6,233.26	6,163.78	69.48	89.717		
14,200.00	7,875.00	7,340.53	7,217.63	178.90	31.82	60.52	943.68	-690.10	6,330.98	6,261.48	69.50	91.090		
14,300.00	7,875.00	7,339.31	7,216.45	181.57	31.81	60.47	943.43	-690.18	6,428.76	6,359.23	69.53	92.461		
14,400.00	7,875.00	7,338.13	7,215.29	184.24	31.81	60.42	943.20	-690.26	6,526.61	6,457.06	69.56	93.831		
14,500.00	7,875.00	7,336.99	7,214.17	186.91	31.80	60.37	942.96	-690.33	6,624.53	6,554.94	69.59	95.199		
14,600.00	7,875.00	7,301.00	7,179.03	189.58	31.67	58.92	935.43	-692.10	6,723.02	6,653.71	69.30	97.009		
14,700.00	7,875.00	7,301.00	7,179.03	192.26	31.67	58.92	935.43	-692.10	6,821.02	6,751.67	69.34	98.365		
14,800.00	7,875.00	7,301.00	7,179.03	194.93	31.67	58.92	935.43	-692.10	6,919.08	6,849.69	69.39	99.719		
14,900.00	7,875.00	7,301.00	7,179.03	197.60	31.67	58.92	935.43	-692.10	7,017.19	6,947.76	69.43	101.071		
15,000.00	7,875.00	7,301.00	7,179.03	200.27	31.67	58.92	935.43	-692.10	7,115.35	7,045.88	69.47	102.421		
15,100.00	7,875.00	7,301.00	7,179.03	202.95	31.67	58.92	935.43	-692.10	7,213.57	7,144.05	69.52	103.769		
15,200.00	7,875.00	7,301.00	7,179.03	205.62	31.67	58.92	935.43	-692.10	7,311.83	7,242.27	69.56	105.115		
15,300.00	7,875.00	7,301.00	7,179.03	208.29	31.67	58.92	935.43	-692.10	7,410.14	7,340.54	69.61	106.460		
15,400.00	7,875.00	7,301.00	7,179.03	210.97	31.67	58.92	935.43	-692.10	7,508.50	7,438.85	69.65	107.801		
15,500.00	7,875.00	7,301.00	7,179.03	213.64	31.67	58.92	935.43	-692.10	7,606.90	7,537.20	69.70	109.141		
15,600.00	7,875.00	7,301.00	7,179.03	216.32	31.67	58.92	935.43	-692.10	7,705.34	7,635.59	69.75	110.479		
15,700.00	7,875.00	7,301.00	7,179.03	218.99	31.67	58.92	935.43	-692.10	7,803.82	7,734.02	69.79	111.814		
15,800.00	7,875.00	7,301.00	7,179.03	221.67	31.67	58.92	935.43	-692.10	7,902.33	7,832.49	69.84	113.146		
15,900.00	7,875.00	7,301.00	7,179.03	224.35	31.67	58.92	935.43	-692.10	8,000.89	7,931.00	69.89	114.477		
16,000.00	7,875.00	7,301.00	7,179.03	227.02	31.67	58.92	935.43	-692.10	8,099.48	8,029.54	69.94	115.804		
16,100.00	7,875.00	7,301.00	7,179.03	229.70	31.67	58.92	935.43	-692.10	8,198.10	8,128.11	69.99	117.129		
16,200.00	7,875.00	7,301.00	7,179.03	232.38	31.67	58.92	935.43	-692.10	8,296.76	8,226.71	70.04	118.452		
16,300.00	7,875.00	7,301.00	7,179.03	235.06	31.67	58.92	935.43	-692.10	8,395.44	8,325.35	70.10	119.772		
16,400.00	7,875.00	7,301.00	7,179.03	237.73	31.67	58.92	935.43	-692.10	8,494.16	8,424.02	70.15	121.089		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ SUNSET 4-65 21-22 3AH - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 90-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
16,500.00	7,875.00	7,301.00	7,179.03	240.41	31.67	58.92	935.43	-692.10	8,592.91	8,522.71	70.20	122.403	
16,600.00	7,875.00	7,301.00	7,179.03	243.09	31.67	58.92	935.43	-692.10	8,691.69	8,621.43	70.26	123.715	
16,700.00	7,875.00	7,301.00	7,179.03	245.77	31.67	58.92	935.43	-692.10	8,790.49	8,720.18	70.31	125.024	
16,800.00	7,875.00	7,301.00	7,179.03	248.45	31.67	58.92	935.43	-692.10	8,889.33	8,818.96	70.37	126.329	
16,900.00	7,875.00	7,301.00	7,179.03	251.13	31.67	58.92	935.43	-692.10	8,988.18	8,917.76	70.42	127.632	
17,000.00	7,875.00	7,301.00	7,179.03	253.81	31.67	58.92	935.43	-692.10	9,087.07	9,016.59	70.48	128.932	
17,100.00	7,875.00	7,301.00	7,179.03	256.49	31.67	58.92	935.43	-692.10	9,185.97	9,115.44	70.54	130.229	
17,200.00	7,875.00	7,301.00	7,179.03	259.17	31.67	58.92	935.43	-692.10	9,284.90	9,214.31	70.60	131.523	
17,300.00	7,875.00	7,301.00	7,179.03	261.85	31.67	58.92	935.43	-692.10	9,383.86	9,313.20	70.65	132.814	
17,400.00	7,875.00	7,301.00	7,179.03	264.53	31.67	58.92	935.43	-692.10	9,482.83	9,412.12	70.71	134.102	
17,500.00	7,875.00	7,301.00	7,179.03	267.21	31.67	58.92	935.43	-692.10	9,581.83	9,511.05	70.77	135.387	
17,600.00	7,875.00	7,301.00	7,179.03	269.89	31.67	58.92	935.43	-692.10	9,680.84	9,610.01	70.83	136.668	
17,700.00	7,875.00	7,301.00	7,179.03	272.57	31.67	58.92	935.43	-692.10	9,779.88	9,708.98	70.90	137.947	
17,800.00	7,875.00	7,301.00	7,179.03	275.25	31.67	58.92	935.43	-692.10	9,878.94	9,807.98	70.96	139.222	
17,900.00	7,875.00	7,301.00	7,179.03	277.94	31.67	58.92	935.43	-692.10	9,978.01	9,906.99	71.02	140.494	

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ SUNSET 4-65 21-22 3BH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 30-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.13	0.00	25.14					
29.38	29.38	28.98	28.98	0.01	0.02	124.65	25.16	-0.09	25.20	25.17	0.02	1,049.021		
59.94	59.94	59.64	59.64	0.12	0.12	102.38	25.15	-0.33	25.24	25.00	0.24	106.772		
69.92	69.92	69.62	69.62	0.16	0.15	118.78	25.13	-0.42	25.23	24.92	0.31	81.974		
90.50	90.50	90.18	90.18	0.23	0.23	133.34	25.08	-0.63	25.27	24.81	0.46	55.515		
121.06	121.06	120.83	120.83	0.34	0.34	135.98	24.97	-0.93	25.39	24.72	0.67	37.645		
151.62	151.62	151.36	151.36	0.45	0.45	101.73	24.83	-1.23	25.43	24.54	0.89	28.473		
159.45	159.45	159.17	159.16	0.48	0.47	104.16	24.80	-1.32	25.43	24.48	0.95	26.784		
212.74	212.73	212.32	212.31	0.67	0.67	121.60	24.78	-2.12	25.67	24.34	1.33	19.281		
273.86	273.84	273.51	273.49	0.89	0.89	104.62	24.76	-3.25	26.02	24.25	1.77	14.694		
316.51	316.48	316.14	316.10	1.04	1.04	107.86	24.74	-4.15	26.28	24.20	2.08	12.650 ES		
359.16	359.12	358.76	358.72	1.19	1.19	112.11	24.75	-5.28	26.75	24.36	2.39	11.214		
401.81	401.74	401.34	401.28	1.35	1.35	115.92	24.82	-6.59	27.53	24.83	2.69	10.219		
444.46	444.34	443.88	443.78	1.51	1.50	112.63	25.01	-8.06	28.58	25.58	3.00	9.518		
487.11	486.92	486.50	486.38	1.66	1.65	113.65	25.28	-9.71	29.80	26.49	3.31	8.996		
529.76	529.49	529.18	529.02	1.82	1.81	113.49	25.51	-11.49	31.08	27.46	3.62	8.577		
572.41	572.04	571.92	571.71	1.98	1.97	115.41	25.63	-13.39	32.31	28.38	3.94	8.209		
615.06	614.59	614.57	614.32	2.14	2.12	113.50	25.67	-15.40	33.44	29.19	4.25	7.871		
657.71	657.13	657.18	656.87	2.30	2.28	114.13	25.72	-17.64	34.57	30.01	4.56	7.578		
700.36	699.68	699.80	699.42	2.46	2.43	117.89	25.81	-20.11	35.76	30.88	4.88	7.333		
743.01	742.23	742.41	741.95	2.61	2.59	118.72	25.94	-22.64	36.98	31.79	5.19	7.124		
785.66	784.78	784.98	784.46	2.77	2.75	123.64	26.07	-24.84	38.46	32.96	5.51	6.986		
828.31	827.31	827.61	827.06	2.94	2.90	126.05	26.17	-26.56	40.19	34.37	5.82	6.908		
870.96	869.88	870.25	869.68	3.09	3.06	127.51	26.20	-27.87	41.65	35.52	6.13	6.797		
913.61	912.48	912.80	912.22	3.25	3.21	134.93	26.20	-28.80	42.83	36.40	6.43	6.657		
956.26	955.09	955.52	954.92	3.41	3.37	137.81	26.21	-29.76	44.09	37.35	6.74	6.539		
998.91	997.69	998.11	997.50	3.56	3.52	138.46	26.21	-30.81	45.39	38.34	7.05	6.439		
1,041.56	1,040.31	1,040.40	1,039.78	3.72	3.67	138.97	26.35	-31.67	46.68	39.33	7.35	6.348		
1,084.21	1,082.93	1,082.66	1,082.04	3.87	3.82	142.50	26.76	-32.15	48.03	40.38	7.65	6.275		
1,126.86	1,125.57	1,125.65	1,125.02	4.03	3.97	138.98	27.17	-32.53	49.35	41.39	7.96	6.201		
1,169.51	1,168.19	1,168.59	1,167.96	4.18	4.12	143.58	27.30	-33.06	50.47	42.21	8.27	6.107		
1,212.16	1,210.82	1,210.93	1,210.30	4.34	4.28	151.68	27.41	-33.62	51.63	43.06	8.57	6.026		
1,254.81	1,253.45	1,253.89	1,253.25	4.49	4.43	163.46	27.57	-34.37	52.78	43.90	8.87	5.947		
1,297.46	1,296.09	1,296.69	1,296.04	4.64	4.58	161.59	27.54	-35.25	53.63	44.45	9.18	5.842		
1,340.11	1,338.72	1,339.26	1,338.60	4.79	4.74	165.44	27.47	-36.14	54.46	44.98	9.49	5.742		
1,382.76	1,381.36	1,381.41	1,380.74	4.95	4.89	152.76	27.61	-36.95	55.59	45.80	9.79	5.679		
1,425.41	1,423.99	1,424.39	1,423.72	5.10	5.04	137.77	27.79	-37.54	56.68	46.58	10.10	5.614		
1,468.06	1,466.62	1,467.05	1,466.38	5.26	5.19	133.03	27.78	-37.97	57.54	47.14	10.40	5.533		
1,510.71	1,509.24	1,509.87	1,509.20	5.41	5.35	137.43	27.68	-38.29	58.41	47.71	10.71	5.456		
1,553.36	1,551.88	1,552.21	1,551.54	5.56	5.50	156.93	27.61	-38.63	59.19	48.18	11.01	5.377		
1,596.01	1,594.52	1,594.51	1,593.83	5.72	5.65	153.02	27.81	-39.05	60.06	48.75	11.31	5.311		
1,638.66	1,637.16	1,636.96	1,636.27	5.87	5.80	145.62	28.25	-39.72	60.99	49.38	11.61	5.252		
1,681.31	1,679.81	1,679.45	1,678.75	6.02	5.95	161.49	28.83	-40.56	61.94	50.02	11.92	5.197		
1,723.96	1,722.45	1,722.18	1,721.47	6.17	6.10	149.98	29.44	-41.37	63.03	50.81	12.22	5.157		
1,766.61	1,765.10	1,765.04	1,764.32	6.33	6.26	153.95	29.92	-42.10	64.04	51.51	12.53	5.111		
1,809.26	1,807.74	1,808.15	1,807.43	6.48	6.41	151.32	30.17	-42.85	64.75	51.92	12.84	5.044		
1,851.91	1,850.39	1,850.56	1,849.82	6.63	6.56	139.64	30.30	-43.47	65.43	52.28	13.14	4.978		
1,894.56	1,893.03	1,893.21	1,892.48	6.78	6.72	137.11	30.51	-43.95	66.17	52.73	13.45	4.921		
1,937.21	1,935.67	1,936.17	1,935.43	6.94	6.87	135.86	30.63	-44.57	66.71	52.96	13.76	4.850		
1,979.86	1,978.32	1,978.63	1,977.88	7.09	7.02	134.86	30.70	-45.21	67.15	53.08	14.06	4.775		
2,022.51	2,020.96	2,021.42	2,020.67	7.24	7.18	146.12	30.80	-45.87	67.66	53.30	14.37	4.709		
2,065.16	2,063.61	2,063.85	2,063.10	7.40	7.33	144.00	30.89	-46.42	68.26	53.59	14.67	4.652		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ SUNSET 4-65 21-22 3BH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 30-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
2,107.81	2,106.25	2,106.62	2,105.86	7.55	7.48	163.89	31.02	-46.95	68.95	53.97	14.98	4.603		
2,150.46	2,148.89	2,149.16	2,148.40	7.70	7.64	163.35	31.16	-47.65	69.71	54.42	15.28	4.561		
2,205.46	2,203.89	2,204.20	2,203.43	7.80	7.83	162.90	31.36	-48.47	70.73	55.16	15.57	4.542 SF		
2,300.00	2,298.37	2,298.80	2,298.03	7.82	8.15	132.81	31.53	-49.36	73.07	57.17	15.91	4.593		
2,340.72	2,339.03	2,339.51	2,338.73	7.83	8.29	130.24	31.53	-49.54	74.50	58.44	16.06	4.639		
2,400.00	2,398.21	2,398.74	2,397.97	7.86	8.49	132.25	31.46	-49.60	76.80	60.52	16.28	4.717		
2,500.00	2,498.02	2,498.47	2,497.69	7.92	8.82	135.54	31.33	-49.46	80.90	64.25	16.65	4.858		
2,600.00	2,597.84	2,598.20	2,597.42	7.99	9.16	138.38	31.36	-49.46	85.36	68.31	17.05	5.006		
2,700.00	2,697.65	2,698.03	2,697.25	8.09	9.50	141.01	31.39	-49.34	90.07	72.60	17.47	5.156		
2,800.00	2,797.47	2,797.94	2,797.17	8.20	9.84	143.34	31.36	-49.31	94.83	76.93	17.90	5.298		
2,900.00	2,897.29	2,897.91	2,897.14	8.32	10.18	145.51	31.21	-49.21	99.68	81.33	18.35	5.432		
3,000.00	2,997.10	2,997.46	2,996.68	8.46	10.52	147.35	31.05	-49.36	104.52	85.71	18.81	5.556		
3,100.00	3,096.92	3,097.81	3,097.03	8.61	10.88	148.93	31.17	-49.58	109.69	90.39	19.30	5.683		
3,200.00	3,196.73	3,197.45	3,196.67	8.78	11.23	150.40	30.84	-49.97	114.45	94.65	19.80	5.780		
3,300.00	3,296.55	3,297.74	3,296.97	8.96	11.58	151.79	30.54	-50.27	119.35	99.04	20.31	5.875		
3,400.00	3,396.37	3,397.42	3,396.62	9.15	11.94	152.36	30.75	-52.01	124.00	103.16	20.84	5.950		
3,500.00	3,496.18	3,494.05	3,492.89	9.35	12.29	150.04	35.50	-58.47	130.28	108.90	21.38	6.094		
3,600.00	3,596.00	3,593.43	3,591.57	9.56	12.65	146.50	43.20	-67.37	138.34	116.39	21.95	6.302		
3,700.00	3,695.81	3,696.40	3,693.57	9.78	13.03	142.34	50.69	-79.27	145.49	122.92	22.58	6.445		
3,800.00	3,795.63	3,795.00	3,790.73	10.01	13.40	137.36	57.20	-94.71	151.52	128.33	23.19	6.534		
3,900.00	3,895.45	3,891.39	3,885.54	10.25	13.77	132.70	65.51	-109.90	160.55	136.76	23.79	6.748		
4,000.00	3,995.26	3,990.92	3,983.45	10.50	14.16	128.45	74.48	-125.43	170.98	146.54	24.44	6.997		
4,100.00	4,095.08	4,091.91	4,082.74	10.76	14.56	124.42	82.63	-141.99	181.27	156.17	25.11	7.220		
4,200.00	4,194.89	4,191.48	4,180.65	11.02	14.96	120.79	89.77	-158.61	191.45	165.68	25.77	7.429		
4,300.00	4,294.71	4,289.55	4,277.06	11.28	15.36	117.54	96.84	-175.15	202.35	175.93	26.42	7.659		
4,400.00	4,394.53	4,388.53	4,374.36	11.56	15.77	114.62	104.05	-191.79	213.91	186.82	27.09	7.897		
4,500.00	4,494.34	4,487.65	4,471.73	11.84	16.18	111.87	111.16	-208.92	225.95	198.19	27.76	8.140		
4,600.00	4,594.16	4,586.35	4,568.77	12.12	16.60	109.47	117.94	-225.66	238.08	209.65	28.43	8.374		
4,700.00	4,693.97	4,683.90	4,664.58	12.41	17.01	107.30	125.15	-242.50	251.16	222.07	29.09	8.635		
4,800.00	4,793.79	4,782.78	4,761.78	12.70	17.42	105.46	132.72	-258.94	264.65	234.89	29.77	8.891		
4,900.00	4,893.61	4,880.27	4,857.65	13.00	17.84	103.88	140.38	-274.90	278.49	248.06	30.43	9.152		
5,000.00	4,993.42	4,979.33	4,954.89	13.30	18.27	102.23	148.15	-292.16	292.86	261.75	31.12	9.412		
5,100.00	5,093.24	5,082.37	5,056.16	13.61	18.71	100.72	155.53	-309.62	306.65	274.79	31.86	9.626		
5,200.00	5,193.06	5,176.36	5,148.52	13.92	19.12	99.44	162.32	-325.71	320.72	288.23	32.49	9.872		
5,300.00	5,292.87	5,275.07	5,245.38	14.23	19.55	98.15	169.95	-343.15	335.64	302.47	33.18	10.116		
5,400.00	5,392.69	5,374.36	5,342.90	14.54	19.99	97.01	177.36	-360.32	350.32	316.44	33.88	10.339		
5,500.00	5,492.50	5,469.27	5,435.90	14.86	20.41	95.87	184.72	-377.72	365.85	331.32	34.53	10.594		
5,600.00	5,592.32	5,568.09	5,532.68	15.18	20.86	94.81	192.95	-395.93	382.06	346.82	35.24	10.843		
5,700.00	5,692.14	5,672.73	5,635.32	15.50	21.33	93.81	200.94	-414.65	397.54	361.53	36.01	11.040		
5,800.00	5,791.95	5,769.78	5,730.77	15.83	21.76	93.07	207.89	-430.76	412.07	375.37	36.70	11.229		
5,900.00	5,891.77	5,866.33	5,825.59	16.16	22.19	92.39	215.56	-447.22	427.56	390.18	37.38	11.439		
6,000.00	5,991.58	5,969.96	5,927.53	16.48	22.65	91.84	224.01	-463.86	442.80	404.66	38.14	11.610		
6,100.00	6,091.40	6,077.70	6,033.85	16.81	23.12	91.40	231.48	-479.54	456.23	417.30	38.94	11.717		
6,200.00	6,191.22	6,175.40	6,130.32	17.15	23.54	90.98	237.51	-493.84	469.09	429.46	39.64	11.835		
6,300.00	6,291.03	6,271.29	6,224.81	17.48	23.96	90.43	243.09	-509.16	482.38	442.06	40.32	11.964		
6,400.00	6,390.85	6,365.25	6,317.28	17.82	24.38	89.92	249.34	-524.60	496.66	455.67	40.99	12.117		
6,500.00	6,490.66	6,460.33	6,410.73	18.15	24.81	89.42	256.32	-540.70	511.82	470.15	41.66	12.284		
6,600.00	6,590.48	6,558.49	6,507.15	18.49	25.26	88.98	264.10	-557.33	527.52	485.14	42.38	12.448		
6,700.00	6,690.30	6,658.80	6,605.72	18.83	25.71	88.54	271.83	-574.27	543.03	499.91	43.12	12.595		
6,800.00	6,790.11	6,758.86	6,704.10	19.17	26.16	88.15	279.42	-590.85	558.30	514.45	43.85	12.732		
6,900.00	6,889.93	6,856.58	6,800.18	19.52	26.61	87.77	286.71	-607.17	573.56	528.99	44.56	12.871		
7,000.00	6,989.74	6,962.74	6,904.74	19.86	27.08	87.48	294.67	-623.65	588.20	542.84	45.36	12.968		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ SUNSET 4-65 21-22 3BH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 30-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
7,100.00	7,089.56	7,056.62	6,997.20	20.21	27.50	87.21	301.47	-638.45	602.79	556.75	46.04	13.094		
7,200.00	7,189.38	7,155.08	7,094.01	20.55	27.95	86.88	308.79	-654.86	618.06	571.30	46.76	13.218		
7,300.00	7,289.19	7,269.49	7,207.07	20.90	28.42	87.08	319.62	-668.00	632.10	584.48	47.61	13.276		
7,342.81	7,331.92	7,377.43	7,313.91	21.05	28.77	88.64	333.66	-664.41	636.68	588.43	48.25	13.195		
7,349.12	7,338.22	7,349.12	7,297.23	21.07	28.69	83.67	331.23	-664.76	635.86	587.67	48.19	13.195		
7,350.00	7,339.10	7,350.00	7,298.08	21.07	28.69	83.13	331.33	-664.70	635.90	587.71	48.19	13.194		
7,400.00	7,388.77	7,477.21	7,411.54	21.26	29.01	71.80	343.44	-646.69	634.37	585.68	48.69	13.029		
7,450.00	7,437.78	7,535.23	7,466.86	21.46	29.12	70.53	349.82	-630.47	628.88	579.80	49.08	12.813		
7,500.00	7,485.76	7,590.25	7,518.08	21.68	29.22	72.24	356.52	-611.57	621.73	572.21	49.51	12.557		
7,550.00	7,532.34	7,646.33	7,568.52	21.91	29.30	75.68	363.41	-588.07	613.33	563.36	49.97	12.273		
7,600.00	7,577.17	7,680.49	7,598.17	22.16	29.35	78.40	367.61	-571.63	605.14	554.65	50.49	11.986		
7,650.00	7,619.91	7,703.01	7,617.22	22.44	29.38	80.44	370.58	-560.00	598.71	547.73	50.98	11.745		
7,700.00	7,660.24	7,719.20	7,630.65	22.74	29.40	81.92	372.83	-551.26	594.79	543.39	51.40	11.573		
7,739.20	7,689.96	7,728.06	7,637.91	22.99	29.41	82.62	374.10	-546.34	593.80	542.15	51.66	11.495		
7,750.00	7,697.84	7,729.97	7,639.47	23.07	29.41	82.73	374.38	-545.27	593.88	542.17	51.71	11.484		
7,800.00	7,732.43	7,736.12	7,644.46	23.43	29.42	82.87	375.29	-541.79	596.28	544.36	51.92	11.486		
7,850.00	7,763.75	7,738.38	7,646.28	23.84	29.42	82.35	375.62	-540.50	602.07	550.06	52.01	11.576		
7,900.00	7,791.55	7,737.32	7,645.43	24.29	29.42	81.21	375.47	-541.10	611.16	559.15	52.01	11.750		
7,950.00	7,815.64	7,733.47	7,642.31	24.79	29.42	79.52	374.89	-543.30	623.33	571.37	51.96	11.997		
8,000.00	7,835.81	7,727.22	7,637.23	25.35	29.41	77.34	373.98	-546.81	638.23	586.36	51.87	12.305		
8,050.00	7,851.93	7,718.92	7,630.43	25.96	29.40	74.76	372.79	-551.41	655.47	603.69	51.78	12.659		
8,100.00	7,863.86	7,708.88	7,622.11	26.62	29.38	71.88	371.39	-556.87	674.60	622.90	51.71	13.047		
8,150.00	7,871.52	7,697.31	7,612.43	27.33	29.37	68.80	369.81	-563.00	695.20	643.52	51.67	13.454		
8,200.00	7,874.85	7,684.44	7,601.53	28.07	29.35	65.61	368.11	-569.64	716.82	665.14	51.69	13.869		
8,213.19	7,875.00	7,680.84	7,598.47	28.27	29.35	64.77	367.65	-571.46	722.65	670.95	51.70	13.979		
8,300.00	7,875.00	7,661.00	7,581.36	29.67	29.33	63.32	365.18	-581.20	764.44	712.59	51.85	14.744		
8,400.00	7,875.00	7,632.49	7,556.27	31.43	29.28	61.24	361.72	-594.28	819.94	768.08	51.86	15.810		
8,500.00	7,875.00	7,610.59	7,536.61	33.31	29.25	59.66	359.04	-603.56	882.14	830.19	51.95	16.980		
8,600.00	7,875.00	7,572.00	7,501.26	35.29	29.19	56.89	354.25	-618.25	950.37	898.68	51.69	18.386		
8,700.00	7,875.00	7,572.00	7,501.26	37.37	29.19	56.89	354.25	-618.25	1,022.37	970.27	52.10	19.625		
8,800.00	7,875.00	7,572.00	7,501.26	39.52	29.19	56.89	354.25	-618.25	1,098.76	1,046.34	52.42	20.960		
8,900.00	7,875.00	7,544.79	7,475.87	41.73	29.14	54.99	350.94	-627.44	1,177.95	1,125.67	52.28	22.531		
9,000.00	7,875.00	7,531.65	7,463.49	44.00	29.12	54.09	349.40	-631.58	1,259.90	1,207.56	52.34	24.071		
9,100.00	7,875.00	7,519.64	7,452.12	46.32	29.09	53.28	348.03	-635.20	1,344.00	1,291.61	52.39	25.652		
9,200.00	7,875.00	7,508.64	7,441.66	48.67	29.07	52.55	346.80	-638.38	1,429.92	1,377.47	52.44	27.265		
9,300.00	7,875.00	7,483.00	7,417.11	51.05	29.03	50.87	344.04	-645.25	1,517.59	1,465.28	52.31	29.013		
9,400.00	7,875.00	7,483.00	7,417.11	53.47	29.03	50.87	344.04	-645.25	1,606.15	1,553.68	52.47	30.612		
9,500.00	7,875.00	7,483.00	7,417.11	55.91	29.03	50.87	344.04	-645.25	1,695.98	1,643.37	52.60	32.241		
9,600.00	7,875.00	7,483.00	7,417.11	58.37	29.03	50.87	344.04	-645.25	1,786.89	1,734.17	52.72	33.894		
9,700.00	7,875.00	7,483.00	7,417.11	60.85	29.03	50.87	344.04	-645.25	1,878.73	1,825.90	52.82	35.566		
9,800.00	7,875.00	7,483.00	7,417.11	63.35	29.03	50.87	344.04	-645.25	1,971.36	1,918.44	52.91	37.256		
9,900.00	7,875.00	7,483.00	7,417.11	65.86	29.03	50.87	344.04	-645.25	2,064.68	2,011.68	53.00	38.960		
10,000.00	7,875.00	7,449.34	7,384.55	68.39	28.95	48.76	340.60	-653.01	2,157.55	2,104.76	52.78	40.875		
10,100.00	7,875.00	7,444.30	7,379.63	70.93	28.94	48.45	340.09	-654.04	2,251.66	2,198.84	52.82	42.628		
10,200.00	7,875.00	7,439.58	7,375.03	73.48	28.93	48.16	339.63	-654.97	2,346.23	2,293.37	52.86	44.388		
10,300.00	7,875.00	7,435.15	7,370.71	76.04	28.92	47.89	339.19	-655.82	2,441.18	2,388.29	52.89	46.153		
10,400.00	7,875.00	7,430.99	7,366.64	78.61	28.91	47.64	338.78	-656.59	2,536.50	2,483.57	52.93	47.922		
10,500.00	7,875.00	7,427.07	7,362.80	81.19	28.90	47.41	338.40	-657.30	2,632.13	2,579.17	52.97	49.695		
10,600.00	7,875.00	7,394.00	7,330.28	83.77	28.82	45.49	335.27	-662.41	2,728.81	2,676.02	52.79	51.691		
10,700.00	7,875.00	7,394.00	7,330.28	86.36	28.82	45.49	335.27	-662.41	2,824.82	2,771.96	52.86	53.442		
10,800.00	7,875.00	7,394.00	7,330.28	88.96	28.82	45.49	335.27	-662.41	2,921.10	2,868.18	52.92	55.196		
10,900.00	7,875.00	7,394.00	7,330.28	91.56	28.82	45.49	335.27	-662.41	3,017.62	2,964.64	52.98	56.954		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ SUNSET 4-65 21-22 3BH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 30-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
11,000.00	7,875.00	7,394.00	7,330.28	94.17	28.82	45.49	335.27	-662.41	3,114.36	3,061.32	53.04	58.713		
11,100.00	7,875.00	7,394.00	7,330.28	96.78	28.82	45.49	335.27	-662.41	3,211.30	3,158.20	53.10	60.474		
11,200.00	7,875.00	7,394.00	7,330.28	99.39	28.82	45.49	335.27	-662.41	3,308.42	3,255.26	53.16	62.236		
11,300.00	7,875.00	7,394.00	7,330.28	102.01	28.82	45.49	335.27	-662.41	3,405.71	3,352.49	53.22	63.998		
11,400.00	7,875.00	7,394.00	7,330.28	104.64	28.82	45.49	335.27	-662.41	3,503.15	3,449.88	53.27	65.761		
11,500.00	7,875.00	7,394.00	7,330.28	107.26	28.82	45.49	335.27	-662.41	3,600.73	3,547.40	53.33	67.522		
11,600.00	7,875.00	7,394.00	7,330.28	109.89	28.82	45.49	335.27	-662.41	3,698.44	3,645.06	53.38	69.284		
11,700.00	7,875.00	7,394.00	7,330.28	112.52	28.82	45.49	335.27	-662.41	3,796.27	3,742.83	53.44	71.044		
11,800.00	7,875.00	7,394.00	7,330.28	115.16	28.82	45.49	335.27	-662.41	3,894.21	3,840.72	53.49	72.802		
11,900.00	7,875.00	7,394.00	7,330.28	117.80	28.82	45.49	335.27	-662.41	3,992.25	3,938.70	53.54	74.559		
12,000.00	7,875.00	7,394.00	7,330.28	120.44	28.82	45.49	335.27	-662.41	4,090.39	4,036.79	53.60	76.314		
12,100.00	7,875.00	7,394.00	7,330.28	123.08	28.82	45.49	335.27	-662.41	4,188.61	4,134.96	53.65	78.066		
12,200.00	7,875.00	7,394.00	7,330.28	125.73	28.82	45.49	335.27	-662.41	4,286.92	4,233.21	53.71	79.816		
12,300.00	7,875.00	7,394.00	7,330.28	128.37	28.82	45.49	335.27	-662.41	4,385.30	4,331.54	53.77	81.564		
12,400.00	7,875.00	7,394.00	7,330.28	131.02	28.82	45.49	335.27	-662.41	4,483.76	4,429.93	53.82	83.309		
12,500.00	7,875.00	7,394.00	7,330.28	133.67	28.82	45.49	335.27	-662.41	4,582.28	4,528.40	53.88	85.050		
12,600.00	7,875.00	7,394.00	7,330.28	136.32	28.82	45.49	335.27	-662.41	4,680.86	4,626.93	53.93	86.788		
12,700.00	7,875.00	7,394.00	7,330.28	138.97	28.82	45.49	335.27	-662.41	4,779.50	4,725.51	53.99	88.523		
12,800.00	7,875.00	7,394.00	7,330.28	141.63	28.82	45.49	335.27	-662.41	4,878.20	4,824.15	54.05	90.255		
12,900.00	7,875.00	7,394.00	7,330.28	144.28	28.82	45.49	335.27	-662.41	4,976.95	4,922.85	54.11	91.982		
13,000.00	7,875.00	7,394.00	7,330.28	146.94	28.82	45.49	335.27	-662.41	5,075.75	5,021.59	54.17	93.706		
13,100.00	7,875.00	7,394.00	7,330.28	149.60	28.82	45.49	335.27	-662.41	5,174.60	5,120.37	54.23	95.426		
13,200.00	7,875.00	7,394.00	7,330.28	152.26	28.82	45.49	335.27	-662.41	5,273.49	5,219.20	54.29	97.142		
13,300.00	7,875.00	7,394.00	7,330.28	154.92	28.82	45.49	335.27	-662.41	5,372.42	5,318.07	54.35	98.853		
13,400.00	7,875.00	7,394.00	7,330.28	157.58	28.82	45.49	335.27	-662.41	5,471.39	5,416.98	54.41	100.560		
13,500.00	7,875.00	7,394.00	7,330.28	160.24	28.82	45.49	335.27	-662.41	5,570.39	5,515.92	54.47	102.263		
13,600.00	7,875.00	7,394.00	7,330.28	162.91	28.82	45.49	335.27	-662.41	5,669.43	5,614.90	54.53	103.961		
13,700.00	7,875.00	7,394.00	7,330.28	165.57	28.82	45.49	335.27	-662.41	5,768.51	5,713.91	54.60	105.655		
13,800.00	7,875.00	7,394.00	7,330.28	168.24	28.82	45.49	335.27	-662.41	5,867.61	5,812.95	54.66	107.344		
13,900.00	7,875.00	7,394.00	7,330.28	170.90	28.82	45.49	335.27	-662.41	5,966.75	5,912.02	54.73	109.028		
14,000.00	7,875.00	7,394.00	7,330.28	173.57	28.82	45.49	335.27	-662.41	6,065.91	6,011.12	54.79	110.707		
14,100.00	7,875.00	7,394.00	7,330.28	176.24	28.82	45.49	335.27	-662.41	6,165.10	6,110.24	54.86	112.381		
14,200.00	7,875.00	7,394.00	7,330.28	178.90	28.82	45.49	335.27	-662.41	6,264.32	6,209.39	54.93	114.050		
14,300.00	7,875.00	7,394.00	7,330.28	181.57	28.82	45.49	335.27	-662.41	6,363.56	6,308.57	54.99	115.714		
14,400.00	7,875.00	7,394.00	7,330.28	184.24	28.82	45.49	335.27	-662.41	6,462.82	6,407.76	55.06	117.373		
14,500.00	7,875.00	7,394.00	7,330.28	186.91	28.82	45.49	335.27	-662.41	6,562.11	6,506.98	55.13	119.026		
14,600.00	7,875.00	7,354.71	7,291.44	189.58	28.71	43.30	331.15	-666.53	6,660.28	6,605.27	55.01	121.075		
14,700.00	7,875.00	7,353.94	7,290.67	192.26	28.70	43.26	331.06	-666.59	6,759.56	6,704.49	55.08	122.729		
14,800.00	7,875.00	7,353.18	7,289.92	194.93	28.70	43.22	330.97	-666.65	6,858.87	6,803.72	55.15	124.377		
14,900.00	7,875.00	7,352.45	7,289.19	197.60	28.70	43.18	330.88	-666.70	6,958.19	6,902.97	55.21	126.020		
15,000.00	7,875.00	7,351.73	7,288.49	200.27	28.70	43.14	330.80	-666.75	7,057.53	7,002.25	55.29	127.657		
15,100.00	7,875.00	7,351.04	7,287.80	202.95	28.70	43.10	330.71	-666.80	7,156.89	7,101.53	55.36	129.289		
15,200.00	7,875.00	7,350.36	7,287.12	205.62	28.69	43.06	330.63	-666.85	7,256.27	7,200.84	55.43	130.914		
15,300.00	7,875.00	7,349.70	7,286.47	208.29	28.69	43.03	330.55	-666.90	7,355.66	7,300.16	55.50	132.534		
15,400.00	7,875.00	7,349.05	7,285.83	210.97	28.69	42.99	330.47	-666.94	7,455.07	7,399.49	55.57	134.148		
15,500.00	7,875.00	7,348.42	7,285.21	213.64	28.69	42.96	330.40	-666.99	7,554.49	7,498.84	55.65	135.756		
15,600.00	7,875.00	7,347.81	7,284.61	216.32	28.69	42.92	330.32	-667.03	7,653.93	7,598.20	55.72	137.358		
15,700.00	7,875.00	7,347.22	7,284.01	218.99	28.68	42.89	330.25	-667.07	7,753.38	7,697.58	55.80	138.955		
15,800.00	7,875.00	7,346.63	7,283.44	221.67	28.68	42.86	330.18	-667.11	7,852.84	7,796.97	55.87	140.545		
15,900.00	7,875.00	7,346.06	7,282.87	224.35	28.68	42.83	330.11	-667.15	7,952.32	7,896.37	55.95	142.129		
16,000.00	7,875.00	7,345.51	7,282.32	227.02	28.68	42.80	330.04	-667.18	8,051.81	7,995.78	56.03	143.707		
16,100.00	7,875.00	7,305.00	7,242.23	229.70	28.56	40.65	324.50	-668.66	8,152.48	8,096.57	55.91	145.818		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ SUNSET 4-65 21-22 3BH - OWB - FINAL SURVEY													Offset Site Error: 0.00 usft	
Survey Program: 30-MWD OWSG													Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
16,200.00	7,875.00	7,305.00	7,242.23	232.38	28.56	40.65	324.50	-668.66	8,251.96	8,195.97	55.99	147.380		
16,300.00	7,875.00	7,305.00	7,242.23	235.06	28.56	40.65	324.50	-668.66	8,351.46	8,295.38	56.07	148.936		
16,400.00	7,875.00	7,305.00	7,242.23	237.73	28.56	40.65	324.50	-668.66	8,450.96	8,394.81	56.16	150.486		
16,500.00	7,875.00	7,305.00	7,242.23	240.41	28.56	40.65	324.50	-668.66	8,550.48	8,494.24	56.24	152.029		
16,600.00	7,875.00	7,305.00	7,242.23	243.09	28.56	40.65	324.50	-668.66	8,650.01	8,593.68	56.33	153.567		
16,700.00	7,875.00	7,305.00	7,242.23	245.77	28.56	40.65	324.50	-668.66	8,749.55	8,693.14	56.41	155.098		
16,800.00	7,875.00	7,305.00	7,242.23	248.45	28.56	40.65	324.50	-668.66	8,849.10	8,792.60	56.50	156.623		
16,900.00	7,875.00	7,305.00	7,242.23	251.13	28.56	40.65	324.50	-668.66	8,948.66	8,892.07	56.59	158.142		
17,000.00	7,875.00	7,305.00	7,242.23	253.81	28.56	40.65	324.50	-668.66	9,048.23	8,991.56	56.67	159.655		
17,100.00	7,875.00	7,305.00	7,242.23	256.49	28.56	40.65	324.50	-668.66	9,147.81	9,091.05	56.76	161.161		
17,200.00	7,875.00	7,305.00	7,242.23	259.17	28.56	40.65	324.50	-668.66	9,247.40	9,190.55	56.85	162.661		
17,300.00	7,875.00	7,305.00	7,242.23	261.85	28.56	40.65	324.50	-668.66	9,347.00	9,290.06	56.94	164.155		
17,400.00	7,875.00	7,305.00	7,242.23	264.53	28.56	40.65	324.50	-668.66	9,446.60	9,389.57	57.03	165.643		
17,500.00	7,875.00	7,305.00	7,242.23	267.21	28.56	40.65	324.50	-668.66	9,546.22	9,489.10	57.12	167.125		
17,600.00	7,875.00	7,305.00	7,242.23	269.89	28.56	40.65	324.50	-668.66	9,645.84	9,588.63	57.21	168.600		
17,700.00	7,875.00	7,305.00	7,242.23	272.57	28.56	40.65	324.50	-668.66	9,745.47	9,688.16	57.30	170.069		
17,800.00	7,875.00	7,305.00	7,242.23	275.25	28.56	40.65	324.50	-668.66	9,845.11	9,787.71	57.40	171.531		
17,900.00	7,875.00	7,305.00	7,242.23	277.94	28.56	40.65	324.50	-668.66	9,944.75	9,887.26	57.49	172.987		

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ SUNSET 4-65 21-22 4BH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 24-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.41	-0.41	0.00	0.00	0.00	49.90	0.00	49.90					
29.38	29.38	28.95	28.95	0.01	0.02	124.79	49.91	0.00	49.94	49.91	0.03	1,696.908		
59.94	59.94	59.40	59.40	0.12	0.13	102.92	49.95	-0.02	50.04	49.79	0.25	202.857		
90.50	90.50	89.86	89.86	0.23	0.24	134.36	50.06	-0.05	50.24	49.78	0.47	107.880		
121.06	121.06	120.30	120.30	0.34	0.35	137.35	50.23	-0.11	50.65	49.96	0.69	73.887		
151.62	151.62	150.75	150.75	0.45	0.45	103.32	50.47	-0.19	51.08	50.18	0.90	56.512		
212.74	212.73	211.64	211.63	0.67	0.67	124.12	51.15	-0.43	52.05	50.71	1.34	38.804		
273.86	273.84	272.52	272.51	0.89	0.89	108.28	52.09	-0.75	53.36	51.58	1.78	29.988		
316.51	316.48	314.99	314.97	1.04	1.04	112.18	52.90	-1.03	54.47	52.39	2.09	26.123		
359.16	359.12	357.45	357.41	1.19	1.20	117.19	53.84	-1.35	55.91	53.51	2.39	23.375		
401.81	401.74	399.88	399.83	1.35	1.35	121.61	54.90	-1.71	57.76	55.06	2.70	21.400		
444.46	444.34	442.39	442.32	1.51	1.50	118.60	56.07	-2.25	59.90	56.89	3.01	19.923		
487.11	486.92	484.63	484.54	1.66	1.65	119.59	57.39	-3.08	62.31	58.99	3.31	18.799		
529.76	529.49	526.97	526.83	1.82	1.81	119.15	58.93	-4.12	65.04	61.42	3.62	17.953		
572.41	572.04	569.48	569.30	1.98	1.96	120.78	60.56	-5.26	67.94	64.00	3.93	17.276		
615.06	614.59	612.55	612.32	2.14	2.12	118.71	62.08	-6.44	70.69	66.45	4.24	16.659		
657.71	657.13	655.07	654.80	2.30	2.27	119.37	63.40	-7.62	73.29	68.74	4.55	16.096		
700.36	699.68	698.56	698.27	2.46	2.43	123.86	64.48	-8.65	75.72	70.85	4.87	15.559		
743.01	742.23	741.43	741.13	2.61	2.58	125.82	65.13	-9.50	77.78	72.60	5.18	15.026		
785.66	784.78	784.08	783.76	2.77	2.73	131.29	65.66	-10.27	79.99	74.50	5.49	14.581		
828.31	827.31	826.16	825.83	2.94	2.89	133.44	66.28	-11.02	82.56	76.76	5.79	14.249		
870.96	869.88	868.55	868.21	3.09	3.04	134.41	67.10	-11.79	85.01	78.90	6.10	13.933		
913.61	912.48	910.68	910.33	3.25	3.19	141.29	68.05	-12.52	87.23	80.82	6.41	13.616		
956.26	955.09	953.50	953.13	3.41	3.34	143.77	69.10	-13.28	89.57	82.85	6.71	13.339		
998.91	997.69	996.80	996.40	3.56	3.50	144.09	69.96	-14.21	91.75	84.73	7.02	13.062		
1,041.56	1,040.31	1,040.41	1,040.00	3.72	3.66	144.12	70.49	-15.44	93.33	86.00	7.33	12.725		
1,084.21	1,082.93	1,084.04	1,083.59	3.87	3.81	146.74	70.65	-17.13	94.17	86.52	7.64	12.321		
1,126.86	1,125.57	1,127.18	1,126.68	4.03	3.97	142.07	70.55	-19.15	94.62	86.67	7.95	11.902		
1,169.51	1,168.19	1,169.12	1,168.56	4.18	4.12	145.43	70.57	-21.43	95.23	86.97	8.25	11.536		
1,212.16	1,210.82	1,211.79	1,211.15	4.34	4.27	152.21	70.80	-24.03	96.06	87.50	8.56	11.218		
1,254.81	1,253.45	1,254.64	1,253.90	4.49	4.42	162.89	71.00	-26.92	96.84	87.97	8.87	10.915		
1,297.46	1,296.09	1,297.28	1,296.44	4.64	4.58	160.05	71.15	-29.89	97.53	88.35	9.18	10.624		
1,340.11	1,338.72	1,339.69	1,338.75	4.79	4.73	162.99	71.30	-32.81	98.31	88.82	9.49	10.361		
1,382.76	1,381.36	1,382.51	1,381.47	4.95	4.89	149.36	71.43	-35.64	99.21	89.41	9.80	10.126		
1,425.41	1,423.99	1,424.60	1,423.50	5.10	5.04	133.33	71.57	-38.05	100.08	89.97	10.10	9.904		
1,468.06	1,466.62	1,466.11	1,464.96	5.26	5.19	127.61	71.99	-39.79	101.22	90.81	10.41	9.724		
1,510.71	1,509.24	1,509.87	1,508.71	5.41	5.35	131.28	72.41	-40.93	102.45	91.73	10.72	9.556		
1,553.36	1,551.88	1,553.07	1,551.89	5.56	5.51	150.32	72.42	-41.97	103.21	92.18	11.03	9.359		
1,596.01	1,594.52	1,595.26	1,594.06	5.72	5.66	146.10	72.43	-43.14	103.84	92.51	11.33	9.164		
1,638.66	1,637.16	1,637.80	1,636.59	5.87	5.81	138.63	72.56	-44.34	104.47	92.83	11.64	8.977		
1,681.31	1,679.81	1,680.30	1,679.08	6.02	5.96	154.67	72.72	-45.49	105.04	93.10	11.94	8.797		
1,723.96	1,722.45	1,723.10	1,721.86	6.17	6.11	143.35	72.88	-46.52	105.75	93.50	12.25	8.635		
1,766.61	1,765.10	1,766.31	1,765.06	6.33	6.27	147.49	72.89	-47.38	106.32	93.77	12.55	8.470		
1,809.26	1,807.74	1,809.42	1,808.17	6.48	6.42	145.21	72.66	-47.89	106.62	93.77	12.85	8.295		
1,851.91	1,850.39	1,852.59	1,851.34	6.63	6.56	133.91	72.22	-48.02	106.76	93.61	13.15	8.118		
1,894.56	1,893.03	1,895.08	1,893.83	6.78	6.70	131.67	71.71	-48.04	106.81	93.37	13.44	7.945		
1,937.21	1,935.67	1,938.24	1,936.98	6.94	6.85	130.81	71.12	-48.11	106.69	92.95	13.74	7.765		
1,979.86	1,978.32	1,981.15	1,979.89	7.09	6.99	130.29	70.38	-48.08	106.37	92.33	14.03	7.579		
2,022.51	2,020.96	2,023.94	2,022.66	7.24	7.13	142.06	69.55	-48.02	106.03	91.70	14.33	7.400		
2,065.16	2,063.61	2,066.21	2,064.93	7.40	7.27	140.30	68.79	-48.10	105.81	91.19	14.62	7.236		
2,107.81	2,106.25	2,109.03	2,107.74	7.55	7.42	160.53	68.06	-48.23	105.69	90.77	14.92	7.084		
2,150.46	2,148.89	2,151.91	2,150.61	7.70	7.56	160.53	67.25	-48.31	105.57	90.35	15.22	6.938		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ SUNSET 4-65 21-22 4BH - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 24-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
2,205.46	2,203.89	2,207.51	2,206.20	7.80	7.75	160.67	65.98	-48.48	105.21	89.71	15.50	6.787	
2,300.00	2,298.37	2,303.07	2,301.71	7.82	8.08	130.66	63.08	-49.25	104.51	88.67	15.84	6.598	
2,340.72	2,339.03	2,344.21	2,342.82	7.83	8.22	127.73	61.56	-49.77	104.34	88.35	15.99	6.525	
2,400.00	2,398.21	2,404.11	2,402.66	7.86	8.43	128.94	59.05	-50.72	103.99	87.78	16.21	6.414	
2,500.00	2,498.02	2,506.60	2,504.94	7.92	8.79	130.49	53.25	-53.57	101.87	85.27	16.60	6.135	
2,600.00	2,597.84	2,607.48	2,605.46	7.99	9.15	131.31	46.02	-57.97	98.05	81.04	17.02	5.761	
2,700.00	2,697.65	2,708.22	2,705.75	8.09	9.51	131.51	38.37	-63.60	93.62	76.17	17.45	5.364	
2,800.00	2,797.47	2,810.72	2,807.55	8.20	9.89	130.87	28.88	-70.96	87.28	69.39	17.89	4.879	
2,900.00	2,897.29	2,912.66	2,908.31	8.32	10.27	129.44	16.18	-79.68	77.56	59.23	18.33	4.231	
3,000.00	2,997.10	3,013.16	3,007.39	8.46	10.66	128.36	1.42	-87.66	65.75	46.95	18.80	3.498	
3,100.00	3,096.92	3,111.58	3,104.45	8.61	11.04	128.43	-13.48	-94.03	53.68	34.35	19.33	2.777	
3,200.00	3,196.73	3,210.11	3,201.66	8.78	11.43	123.55	-26.11	-103.94	43.64	23.71	19.93	2.190	
3,300.00	3,296.55	3,309.47	3,299.73	8.96	11.83	114.56	-37.86	-114.81	35.19	14.61	20.58	1.710	
3,400.00	3,396.37	3,408.40	3,397.34	9.15	12.23	99.15	-48.49	-126.86	29.56	8.24	21.31	1.387 Level 3	
3,484.61	3,480.82	3,492.50	3,480.10	9.32	12.58	79.42	-57.86	-138.53	27.77	5.87	21.90	1.268 Level 3, CC	
3,500.00	3,496.18	3,507.74	3,495.06	9.35	12.65	75.31	-59.67	-140.78	27.85	5.86	21.99	1.267 Level 3, ES, SF	
3,600.00	3,596.00	3,606.68	3,591.95	9.56	13.07	49.27	-72.22	-156.43	32.35	9.98	22.37	1.446 Level 3	
3,700.00	3,695.81	3,705.98	3,689.20	9.78	13.50	31.54	-85.16	-171.74	41.20	18.49	22.71	1.814	
3,800.00	3,795.63	3,804.44	3,785.70	10.01	13.94	20.93	-97.78	-186.62	52.18	29.07	23.10	2.258	
3,900.00	3,895.45	3,903.38	3,882.31	10.25	14.38	12.77	-112.27	-202.33	65.63	42.04	23.58	2.783	
4,000.00	3,995.26	4,003.56	3,980.22	10.50	14.83	6.13	-128.05	-216.49	78.84	54.69	24.15	3.265	
4,100.00	4,095.08	4,101.78	4,076.38	10.76	15.28	1.62	-143.01	-229.81	92.01	67.32	24.69	3.727	
4,200.00	4,194.89	4,199.69	4,172.01	11.02	15.73	-1.87	-158.66	-243.78	106.63	81.39	25.24	4.224	
4,300.00	4,294.71	4,299.08	4,269.11	11.28	16.19	-4.33	-174.17	-258.23	121.53	95.67	25.86	4.699	
4,400.00	4,394.53	4,397.14	4,364.93	11.56	16.64	-6.36	-189.63	-272.18	136.46	110.00	26.46	5.158	
4,500.00	4,494.34	4,495.33	4,460.64	11.84	17.11	-8.19	-206.16	-286.60	152.58	125.51	27.07	5.637	
4,600.00	4,594.16	4,594.84	4,557.82	12.12	17.58	-9.66	-222.32	-300.66	167.99	140.27	27.72	6.060	
4,700.00	4,693.97	4,693.55	4,654.19	12.41	18.05	-10.79	-238.25	-314.92	183.67	155.31	28.36	6.476	
4,800.00	4,793.79	4,790.53	4,748.83	12.70	18.51	-11.76	-254.09	-328.92	199.53	170.56	28.97	6.887	
4,900.00	4,893.61	4,891.13	4,846.92	13.00	19.00	-12.65	-270.87	-343.65	215.84	186.18	29.66	7.277	
5,000.00	4,993.42	4,987.08	4,940.52	13.30	19.46	-13.44	-286.89	-357.37	231.96	201.69	30.27	7.664	
5,100.00	5,093.24	5,089.86	5,040.86	13.61	19.96	-14.28	-304.11	-371.55	247.79	216.79	31.00	7.993	
5,200.00	5,193.06	5,186.14	5,134.80	13.92	20.42	-15.02	-320.53	-384.75	263.84	232.21	31.63	8.342	
5,300.00	5,292.87	5,287.95	5,234.39	14.23	20.91	-15.69	-336.94	-398.01	278.74	246.40	32.35	8.617	
5,400.00	5,392.69	5,379.15	5,323.29	14.54	21.36	-16.27	-352.89	-410.70	295.31	262.40	32.90	8.975	
5,500.00	5,492.50	5,475.29	5,416.62	14.86	21.85	-16.80	-370.79	-425.22	313.57	280.03	33.54	9.348	
5,600.00	5,592.32	5,573.58	5,512.04	15.18	22.35	-17.37	-389.42	-439.68	331.87	297.64	34.23	9.696	
5,700.00	5,692.14	5,679.20	5,614.69	15.50	22.88	-17.91	-409.05	-454.94	349.76	314.75	35.02	9.988	
5,800.00	5,791.95	5,781.93	5,715.08	15.83	23.39	-18.29	-425.94	-468.71	365.31	329.55	35.76	10.216	
5,900.00	5,891.77	5,883.32	5,814.29	16.16	23.88	-18.53	-441.75	-482.38	380.26	343.78	36.48	10.424	
6,000.00	5,991.58	5,979.40	5,908.28	16.48	24.35	-18.76	-456.87	-495.36	395.34	358.20	37.14	10.646	
6,100.00	6,091.40	6,080.74	6,007.47	16.81	24.84	-19.01	-472.71	-508.77	410.16	372.30	37.86	10.834	
6,200.00	6,191.22	6,175.96	6,100.60	17.15	25.31	-19.21	-487.79	-521.67	425.36	386.85	38.51	11.045	
6,300.00	6,291.03	6,272.53	6,194.92	17.48	25.79	-19.39	-503.54	-535.14	441.19	402.01	39.18	11.260	
6,400.00	6,390.85	6,370.39	6,290.41	17.82	26.28	-19.57	-519.82	-549.04	457.44	417.57	39.87	11.472	
6,500.00	6,490.66	6,469.92	6,387.56	18.15	26.78	-19.70	-536.14	-563.33	473.61	433.03	40.59	11.670	
6,600.00	6,590.48	6,572.98	6,488.22	18.49	27.29	-19.78	-552.46	-578.17	489.37	448.04	41.34	11.839	
6,700.00	6,690.30	6,671.62	6,584.72	18.83	27.78	-19.86	-567.61	-591.95	504.47	462.43	42.04	12.000	
6,800.00	6,790.11	6,766.13	6,677.06	19.17	28.25	-19.97	-582.70	-605.20	520.09	477.40	42.70	12.181	
6,900.00	6,889.93	6,868.47	6,777.04	19.52	28.76	-20.08	-599.19	-619.60	535.86	492.42	43.44	12.335	
7,000.00	6,989.74	6,963.27	6,869.64	19.86	29.23	-20.18	-614.46	-632.93	551.62	507.51	44.11	12.505	
7,100.00	7,089.56	7,058.80	6,962.78	20.21	29.72	-20.29	-630.59	-646.81	568.28	523.49	44.79	12.688	

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ SUNSET 4-65 21-22 4BH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 24-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
7,200.00	7,189.38	7,162.94	7,064.50	20.55	30.24	-20.40	-647.44	-661.37	584.03	538.47	45.56	12.820		
7,300.00	7,289.19	7,271.07	7,170.14	20.90	30.78	-20.61	-665.56	-675.58	599.82	553.47	46.36	12.939		
7,342.81	7,331.92	7,328.86	7,226.84	21.05	31.04	-21.02	-675.87	-679.73	605.38	558.59	46.79	12.937		
7,350.00	7,339.10	7,338.79	7,236.60	21.07	31.09	-26.32	-677.70	-680.12	606.18	559.31	46.87	12.934		
7,400.00	7,388.77	7,415.20	7,311.61	21.26	31.40	-41.85	-692.12	-679.82	609.31	561.92	47.39	12.856		
7,450.00	7,437.78	7,508.26	7,402.27	21.46	31.70	-49.28	-709.61	-668.72	606.73	558.82	47.90	12.665		
7,500.00	7,485.76	7,573.68	7,464.70	21.68	31.88	-54.95	-722.22	-653.91	600.21	551.88	48.33	12.418		
7,550.00	7,532.34	7,632.78	7,519.55	21.91	32.00	-60.56	-734.06	-635.42	591.42	542.62	48.80	12.118		
7,600.00	7,577.17	7,684.47	7,565.84	22.16	32.09	-66.13	-744.61	-615.03	581.74	532.38	49.36	11.785		
7,650.00	7,619.91	7,727.78	7,603.23	22.44	32.15	-71.30	-753.08	-594.89	572.29	522.27	50.02	11.442		
7,700.00	7,660.24	7,756.38	7,627.12	22.74	32.19	-75.13	-758.42	-580.11	564.54	513.81	50.73	11.128		
7,750.00	7,697.84	7,773.04	7,640.76	23.07	32.20	-77.54	-761.44	-571.03	559.61	508.17	51.44	10.879		
7,795.38	7,729.37	7,782.01	7,648.02	23.40	32.21	-78.79	-763.03	-566.01	558.10	506.06	52.04	10.725		
7,800.00	7,732.43	7,782.62	7,648.51	23.43	32.21	-78.87	-763.14	-565.66	558.12	506.02	52.09	10.714		
7,850.00	7,763.75	7,786.24	7,651.42	23.84	32.21	-79.18	-763.78	-563.61	560.36	507.69	52.67	10.639		
7,900.00	7,791.55	7,785.06	7,650.47	24.29	32.21	-78.59	-763.57	-564.28	566.36	513.20	53.16	10.655		
7,950.00	7,815.64	7,780.01	7,646.40	24.79	32.21	-77.22	-762.68	-567.13	575.94	522.38	53.56	10.753		
8,000.00	7,835.81	7,771.80	7,639.75	25.35	32.20	-75.17	-761.21	-571.71	588.76	534.86	53.90	10.923		
8,050.00	7,851.93	7,761.01	7,630.93	25.96	32.19	-72.59	-759.27	-577.62	604.36	550.16	54.20	11.151		
8,100.00	7,863.86	7,750.00	7,621.85	26.62	32.19	-69.76	-757.25	-583.51	622.25	567.73	54.52	11.413		
8,150.00	7,871.52	7,734.32	7,608.75	27.33	32.16	-66.36	-754.32	-591.61	641.92	587.15	54.77	11.721		
8,200.00	7,874.85	7,719.24	7,595.97	28.07	32.14	-62.98	-751.45	-599.08	662.90	607.82	55.07	12.037		
8,213.19	7,875.00	7,715.08	7,592.41	28.27	32.14	-62.07	-750.65	-601.08	668.59	613.43	55.15	12.122		
8,300.00	7,875.00	7,689.66	7,570.40	29.67	32.10	-60.02	-745.65	-612.76	709.82	654.13	55.69	12.745		
8,400.00	7,875.00	7,661.00	7,545.03	31.43	32.06	-57.71	-739.83	-624.77	765.38	709.25	56.13	13.636		
8,500.00	7,875.00	7,661.00	7,545.03	33.31	32.06	-57.71	-739.83	-624.77	828.51	771.43	57.08	14.514		
8,600.00	7,875.00	7,628.10	7,515.27	35.29	31.99	-55.08	-733.10	-637.07	897.03	839.98	57.05	15.723		
8,700.00	7,875.00	7,613.22	7,501.60	37.37	31.96	-53.91	-730.10	-642.11	970.73	913.40	57.33	16.933		
8,800.00	7,875.00	7,600.10	7,489.44	39.52	31.94	-52.89	-727.46	-646.29	1,048.35	990.82	57.53	18.222		
8,900.00	7,875.00	7,572.00	7,463.12	41.73	31.88	-50.74	-721.89	-654.36	1,129.48	1,072.11	57.36	19.690		
9,000.00	7,875.00	7,572.00	7,463.12	44.00	31.88	-50.74	-721.89	-654.36	1,212.61	1,154.92	57.69	21.020		
9,100.00	7,875.00	7,572.00	7,463.12	46.32	31.88	-50.74	-721.89	-654.36	1,298.13	1,240.19	57.93	22.407		
9,200.00	7,875.00	7,572.00	7,463.12	48.67	31.88	-50.74	-721.89	-654.36	1,385.58	1,327.46	58.12	23.839		
9,300.00	7,875.00	7,572.00	7,463.12	51.05	31.88	-50.74	-721.89	-654.36	1,474.63	1,416.37	58.27	25.308		
9,400.00	7,875.00	7,542.41	7,435.03	53.47	31.80	-48.55	-716.13	-661.68	1,564.16	1,506.21	57.96	26.988		
9,500.00	7,875.00	7,535.17	7,428.12	55.91	31.78	-48.03	-714.74	-663.30	1,655.20	1,597.23	57.97	28.553		
9,600.00	7,875.00	7,528.50	7,421.73	58.37	31.76	-47.55	-713.46	-664.73	1,747.13	1,689.15	57.98	30.136		
9,700.00	7,875.00	7,522.34	7,415.82	60.85	31.74	-47.11	-712.28	-666.00	1,839.83	1,781.85	57.98	31.733		
9,800.00	7,875.00	7,516.62	7,410.32	63.35	31.73	-46.71	-711.19	-667.14	1,933.19	1,875.21	57.98	33.342		
9,900.00	7,875.00	7,483.00	7,377.82	65.86	31.64	-44.40	-704.88	-672.96	2,027.86	1,970.22	57.64	35.181		
10,000.00	7,875.00	7,483.00	7,377.82	68.39	31.64	-44.40	-704.88	-672.96	2,122.08	2,064.37	57.71	36.771		
10,100.00	7,875.00	7,483.00	7,377.82	70.93	31.64	-44.40	-704.88	-672.96	2,216.80	2,159.03	57.77	38.370		
10,200.00	7,875.00	7,483.00	7,377.82	73.48	31.64	-44.40	-704.88	-672.96	2,311.97	2,254.14	57.83	39.979		
10,300.00	7,875.00	7,483.00	7,377.82	76.04	31.64	-44.40	-704.88	-672.96	2,407.52	2,349.64	57.88	41.595		
10,400.00	7,875.00	7,483.00	7,377.82	78.61	31.64	-44.40	-704.88	-672.96	2,503.43	2,445.50	57.93	43.218		
10,500.00	7,875.00	7,483.00	7,377.82	81.19	31.64	-44.40	-704.88	-672.96	2,599.64	2,541.68	57.97	44.846		
10,600.00	7,875.00	7,483.00	7,377.82	83.77	31.64	-44.40	-704.88	-672.96	2,696.13	2,638.12	58.01	46.478		
10,700.00	7,875.00	7,483.00	7,377.82	86.36	31.64	-44.40	-704.88	-672.96	2,792.87	2,734.82	58.05	48.114		
10,800.00	7,875.00	7,483.00	7,377.82	88.96	31.64	-44.40	-704.88	-672.96	2,889.83	2,831.74	58.08	49.752		
10,900.00	7,875.00	7,483.00	7,377.82	91.56	31.64	-44.40	-704.88	-672.96	2,986.99	2,928.87	58.12	51.393		
11,000.00	7,875.00	7,483.00	7,377.82	94.17	31.64	-44.40	-704.88	-672.96	3,084.33	3,026.17	58.16	53.035		
11,100.00	7,875.00	7,483.00	7,377.82	96.78	31.64	-44.40	-704.88	-672.96	3,181.84	3,123.64	58.19	54.679		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ SUNSET 4-65 21-22 4BH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 24-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
11,200.00	7,875.00	7,483.00	7,377.82	99.39	31.64	-44.40	-704.88	-672.96	3,279.49	3,221.27	58.23	56.323		
11,300.00	7,875.00	7,483.00	7,377.82	102.01	31.64	-44.40	-704.88	-672.96	3,377.29	3,319.02	58.26	57.968		
11,400.00	7,875.00	7,483.00	7,377.82	104.64	31.64	-44.40	-704.88	-672.96	3,475.20	3,416.91	58.30	59.612		
11,500.00	7,875.00	7,483.00	7,377.82	107.26	31.64	-44.40	-704.88	-672.96	3,573.24	3,514.91	58.33	61.257		
11,600.00	7,875.00	7,483.00	7,377.82	109.89	31.64	-44.40	-704.88	-672.96	3,671.38	3,613.01	58.37	62.900		
11,700.00	7,875.00	7,483.00	7,377.82	112.52	31.64	-44.40	-704.88	-672.96	3,769.62	3,711.21	58.40	64.543		
11,800.00	7,875.00	7,483.00	7,377.82	115.16	31.64	-44.40	-704.88	-672.96	3,867.94	3,809.50	58.44	66.184		
11,900.00	7,875.00	7,483.00	7,377.82	117.80	31.64	-44.40	-704.88	-672.96	3,966.36	3,907.88	58.48	67.824		
12,000.00	7,875.00	7,483.00	7,377.82	120.44	31.64	-44.40	-704.88	-672.96	4,064.85	4,006.33	58.52	69.463		
12,100.00	7,875.00	7,483.00	7,377.82	123.08	31.64	-44.40	-704.88	-672.96	4,163.41	4,104.85	58.56	71.099		
12,200.00	7,875.00	7,483.00	7,377.82	125.73	31.64	-44.40	-704.88	-672.96	4,262.04	4,203.44	58.60	72.734		
12,300.00	7,875.00	7,483.00	7,377.82	128.37	31.64	-44.40	-704.88	-672.96	4,360.73	4,302.09	58.64	74.366		
12,400.00	7,875.00	7,483.00	7,377.82	131.02	31.64	-44.40	-704.88	-672.96	4,459.48	4,400.80	58.68	75.996		
12,500.00	7,875.00	7,483.00	7,377.82	133.67	31.64	-44.40	-704.88	-672.96	4,558.28	4,499.56	58.72	77.623		
12,600.00	7,875.00	7,444.29	7,340.09	136.32	31.50	-41.88	-697.64	-677.72	4,655.87	4,597.41	58.46	79.644		
12,700.00	7,875.00	7,443.12	7,338.94	138.97	31.50	-41.80	-697.42	-677.82	4,754.70	4,696.20	58.50	81.283		
12,800.00	7,875.00	7,441.99	7,337.84	141.63	31.49	-41.73	-697.20	-677.93	4,853.57	4,795.04	58.53	82.918		
12,900.00	7,875.00	7,440.90	7,336.78	144.28	31.49	-41.66	-697.00	-678.03	4,952.49	4,893.91	58.57	84.551		
13,000.00	7,875.00	7,439.85	7,335.75	146.94	31.49	-41.60	-696.80	-678.12	5,051.45	4,992.83	58.62	86.180		
13,100.00	7,875.00	7,438.83	7,334.76	149.60	31.48	-41.53	-696.61	-678.21	5,150.44	5,091.78	58.66	87.805		
13,200.00	7,875.00	7,437.86	7,333.80	152.26	31.48	-41.47	-696.42	-678.29	5,249.47	5,190.77	58.70	89.427		
13,300.00	7,875.00	7,436.91	7,332.87	154.92	31.47	-41.41	-696.24	-678.37	5,348.54	5,289.80	58.75	91.046		
13,400.00	7,875.00	7,435.99	7,331.98	157.58	31.47	-41.36	-696.07	-678.44	5,447.64	5,388.85	58.79	92.660		
13,500.00	7,875.00	7,435.11	7,331.11	160.24	31.47	-41.30	-695.90	-678.52	5,546.77	5,487.93	58.84	94.271		
13,600.00	7,875.00	7,434.25	7,330.27	162.91	31.47	-41.25	-695.74	-678.58	5,645.93	5,587.05	58.89	95.878		
13,700.00	7,875.00	7,433.42	7,329.46	165.57	31.46	-41.20	-695.58	-678.65	5,745.12	5,686.19	58.94	97.481		
13,800.00	7,875.00	7,394.00	7,290.81	168.24	31.32	-38.82	-688.07	-680.56	5,845.57	5,786.87	58.70	99.588		
13,900.00	7,875.00	7,394.00	7,290.81	170.90	31.32	-38.82	-688.07	-680.56	5,944.76	5,886.00	58.76	101.177		
14,000.00	7,875.00	7,394.00	7,290.81	173.57	31.32	-38.82	-688.07	-680.56	6,043.97	5,985.16	58.82	102.762		
14,100.00	7,875.00	7,394.00	7,290.81	176.24	31.32	-38.82	-688.07	-680.56	6,143.21	6,084.34	58.88	104.343		
14,200.00	7,875.00	7,394.00	7,290.81	178.90	31.32	-38.82	-688.07	-680.56	6,242.48	6,183.54	58.94	105.919		
14,300.00	7,875.00	7,394.00	7,290.81	181.57	31.32	-38.82	-688.07	-680.56	6,341.77	6,282.77	59.00	107.491		
14,400.00	7,875.00	7,394.00	7,290.81	184.24	31.32	-38.82	-688.07	-680.56	6,441.08	6,382.02	59.06	109.059		
14,500.00	7,875.00	7,394.00	7,290.81	186.91	31.32	-38.82	-688.07	-680.56	6,540.41	6,481.28	59.12	110.622		
14,600.00	7,875.00	7,394.00	7,290.81	189.58	31.32	-38.82	-688.07	-680.56	6,639.76	6,580.57	59.19	112.181		
14,700.00	7,875.00	7,394.00	7,290.81	192.26	31.32	-38.82	-688.07	-680.56	6,739.13	6,679.88	59.25	113.736		
14,800.00	7,875.00	7,394.00	7,290.81	194.93	31.32	-38.82	-688.07	-680.56	6,838.52	6,779.20	59.32	115.285		
14,900.00	7,875.00	7,394.00	7,290.81	197.60	31.32	-38.82	-688.07	-680.56	6,937.93	6,878.54	59.38	116.830		
15,000.00	7,875.00	7,394.00	7,290.81	200.27	31.32	-38.82	-688.07	-680.56	7,037.35	6,977.90	59.45	118.371		
15,100.00	7,875.00	7,394.00	7,290.81	202.95	31.32	-38.82	-688.07	-680.56	7,136.79	7,077.27	59.52	119.907		
15,200.00	7,875.00	7,394.00	7,290.81	205.62	31.32	-38.82	-688.07	-680.56	7,236.24	7,176.66	59.59	121.438		
15,300.00	7,875.00	7,394.00	7,290.81	208.29	31.32	-38.82	-688.07	-680.56	7,335.71	7,276.06	59.66	122.964		
15,400.00	7,875.00	7,394.00	7,290.81	210.97	31.32	-38.82	-688.07	-680.56	7,435.20	7,375.47	59.73	124.485		
15,500.00	7,875.00	7,394.00	7,290.81	213.64	31.32	-38.82	-688.07	-680.56	7,534.70	7,474.90	59.80	126.001		
15,600.00	7,875.00	7,394.00	7,290.81	216.32	31.32	-38.82	-688.07	-680.56	7,634.21	7,574.34	59.87	127.512		
15,700.00	7,875.00	7,394.00	7,290.81	218.99	31.32	-38.82	-688.07	-680.56	7,733.73	7,673.79	59.94	129.019		
15,800.00	7,875.00	7,394.00	7,290.81	221.67	31.32	-38.82	-688.07	-680.56	7,833.27	7,773.25	60.02	130.520		
15,900.00	7,875.00	7,394.00	7,290.81	224.35	31.32	-38.82	-688.07	-680.56	7,932.81	7,872.72	60.09	132.016		
16,000.00	7,875.00	7,394.00	7,290.81	227.02	31.32	-38.82	-688.07	-680.56	8,032.37	7,972.21	60.16	133.508		
16,100.00	7,875.00	7,394.00	7,290.81	229.70	31.32	-38.82	-688.07	-680.56	8,131.94	8,071.70	60.24	134.994		
16,200.00	7,875.00	7,394.00	7,290.81	232.38	31.32	-38.82	-688.07	-680.56	8,231.52	8,171.21	60.32	136.475		
16,300.00	7,875.00	7,394.00	7,290.81	235.06	31.32	-38.82	-688.07	-680.56	8,331.11	8,270.72	60.39	137.950		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXIST HZ SUNSET 4-65 21-22 4BH - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 24-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						
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
16,400.00	7,875.00	7,394.00	7,290.81	237.73	31.32	-38.82	-688.07	-680.56	8,430.71	8,370.24	60.47	139.421	
16,500.00	7,875.00	7,394.00	7,290.81	240.41	31.32	-38.82	-688.07	-680.56	8,530.32	8,469.77	60.55	140.886	
16,600.00	7,875.00	7,394.00	7,290.81	243.09	31.32	-38.82	-688.07	-680.56	8,629.94	8,569.31	60.63	142.346	
16,700.00	7,875.00	7,394.00	7,290.81	245.77	31.32	-38.82	-688.07	-680.56	8,729.56	8,668.86	60.71	143.801	
16,800.00	7,875.00	7,394.00	7,290.81	248.45	31.32	-38.82	-688.07	-680.56	8,829.20	8,768.41	60.79	145.250	
16,900.00	7,875.00	7,394.00	7,290.81	251.13	31.32	-38.82	-688.07	-680.56	8,928.84	8,867.98	60.87	146.695	
17,000.00	7,875.00	7,394.00	7,290.81	253.81	31.32	-38.82	-688.07	-680.56	9,028.49	8,967.55	60.95	148.133	
17,100.00	7,875.00	7,394.00	7,290.81	256.49	31.32	-38.82	-688.07	-680.56	9,128.15	9,067.12	61.03	149.567	
17,200.00	7,875.00	7,394.00	7,290.81	259.17	31.32	-38.82	-688.07	-680.56	9,227.82	9,166.71	61.11	150.995	
17,300.00	7,875.00	7,394.00	7,290.81	261.85	31.32	-38.82	-688.07	-680.56	9,327.49	9,266.30	61.20	152.418	
17,400.00	7,875.00	7,394.00	7,290.81	264.53	31.32	-38.82	-688.07	-680.56	9,427.17	9,365.89	61.28	153.835	
17,500.00	7,875.00	7,394.00	7,290.81	267.21	31.32	-38.82	-688.07	-680.56	9,526.86	9,465.49	61.37	155.247	
17,600.00	7,875.00	7,394.00	7,290.81	269.89	31.32	-38.82	-688.07	-680.56	9,626.55	9,565.10	61.45	156.653	
17,700.00	7,875.00	7,394.00	7,290.81	272.57	31.32	-38.82	-688.07	-680.56	9,726.25	9,664.72	61.54	158.055	
17,800.00	7,875.00	7,394.00	7,290.81	275.25	31.32	-38.82	-688.07	-680.56	9,825.96	9,764.34	61.62	159.450	
17,900.00	7,875.00	7,394.00	7,290.81	277.94	31.32	-38.82	-688.07	-680.56	9,925.67	9,863.96	61.71	160.840	

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXISTING HZ SUNSET 4-65 21-22 1BH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 24-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	54.68	54.68	0.00	0.11	8.12	2,990.91	426.87	3,021.23					
29.38	29.38	117.70	117.70	0.01	0.34	132.86	2,990.44	426.76	3,021.09	3,020.73	0.36	8,309.368		
59.94	59.94	151.27	151.27	0.12	0.46	110.89	2,989.95	426.61	3,020.69	3,020.11	0.58	5,216.751		
90.50	90.50	182.36	182.35	0.23	0.57	142.21	2,989.50	426.41	3,020.34	3,019.54	0.80	3,786.963		
121.06	121.06	204.32	204.31	0.34	0.65	145.02	2,989.21	426.24	3,020.17	3,019.19	0.98	3,068.314		
151.62	151.62	242.11	242.09	0.45	0.78	110.72	2,988.77	425.91	3,020.02	3,018.79	1.23	2,457.099		
212.74	212.73	316.48	316.45	0.67	1.05	131.04	2,987.53	424.87	3,019.24	3,017.53	1.71	1,760.878		
273.86	273.84	370.40	370.35	0.89	1.24	114.69	2,986.66	423.95	3,018.60	3,016.47	2.13	1,419.478		
316.39	316.36	394.88	394.83	1.04	1.33	118.05	2,986.35	423.67	3,018.39	3,016.02	2.37	1,275.239		
316.51	316.48	394.95	394.90	1.04	1.33	118.06	2,986.35	423.67	3,018.39	3,016.02	2.37	1,274.867		
359.16	359.12	421.81	421.76	1.19	1.43	122.34	2,986.17	423.49	3,018.66	3,016.04	2.62	1,153.220		
401.81	401.74	460.71	460.65	1.35	1.57	125.80	2,986.00	423.33	3,019.37	3,016.46	2.91	1,037.120		
444.46	444.34	511.97	511.91	1.51	1.75	121.75	2,985.72	423.10	3,020.24	3,016.99	3.25	929.411		
487.11	486.92	558.75	558.69	1.66	1.92	121.75	2,985.36	422.88	3,021.14	3,017.57	3.57	845.647		
529.76	529.49	601.44	601.38	1.82	2.07	120.37	2,985.01	422.63	3,022.15	3,018.27	3.88	778.561		
572.41	572.04	646.50	646.44	1.98	2.24	121.08	2,984.65	422.32	3,023.22	3,019.02	4.20	719.860		
615.06	614.59	694.78	694.71	2.14	2.41	118.11	2,984.19	421.93	3,024.20	3,019.67	4.53	667.651		
657.71	657.13	738.08	738.01	2.30	2.56	117.79	2,983.73	421.49	3,025.14	3,020.30	4.84	624.720		
700.36	699.68	773.00	772.92	2.46	2.69	121.22	2,983.41	421.04	3,026.15	3,021.02	5.12	590.482		
743.01	742.23	806.08	806.00	2.61	2.81	122.19	2,983.24	420.58	3,027.31	3,021.91	5.40	560.613		
785.66	784.78	870.43	870.34	2.77	3.04	126.67	2,982.84	419.54	3,028.65	3,022.87	5.79	523.360		
828.31	827.31	917.27	917.17	2.94	3.21	127.85	2,982.25	418.71	3,029.92	3,023.81	6.11	495.671		
870.96	869.88	969.43	969.31	3.09	3.39	128.16	2,981.59	417.51	3,030.89	3,024.44	6.46	469.463		
913.61	912.48	1,006.47	1,006.34	3.25	3.53	134.77	2,981.07	416.75	3,031.49	3,024.75	6.74	449.516		
956.26	955.09	1,036.51	1,036.37	3.41	3.63	137.15	2,980.74	416.08	3,032.28	3,025.27	7.01	432.818		
998.91	997.69	1,068.72	1,068.57	3.56	3.75	137.44	2,980.54	415.33	3,033.32	3,026.05	7.28	416.930		
1,041.56	1,040.31	1,105.71	1,105.54	3.72	3.88	137.64	2,980.43	414.18	3,034.27	3,026.71	7.56	401.323		
1,084.21	1,082.93	1,140.20	1,140.01	3.87	4.00	140.79	2,980.45	412.89	3,035.06	3,027.23	7.84	387.332		
1,126.86	1,125.57	1,170.95	1,170.72	4.03	4.11	136.82	2,980.62	411.45	3,035.95	3,027.85	8.10	374.924		
1,169.51	1,168.19	1,205.30	1,205.01	4.18	4.24	141.00	2,980.98	409.39	3,037.07	3,028.70	8.37	362.742		
1,212.16	1,210.82	1,249.77	1,249.37	4.34	4.40	148.87	2,981.59	406.33	3,038.34	3,029.65	8.68	349.875		
1,254.81	1,253.45	1,254.81	1,334.82	4.49	4.41	160.83	2,982.48	397.98	3,039.31	3,030.46	8.85	343.373		
1,297.46	1,296.09	1,297.46	1,424.94	4.64	4.56	159.32	2,982.29	385.96	3,039.36	3,030.21	9.15	332.193		
1,340.11	1,338.72	1,504.90	1,502.20	4.79	5.35	163.53	2,981.41	373.09	3,038.88	3,028.78	10.09	301.082		
1,382.76	1,381.36	1,550.19	1,546.74	4.95	5.54	151.13	2,980.74	364.92	3,038.29	3,027.86	10.43	291.437		
1,425.41	1,423.99	1,581.50	1,577.51	5.10	5.66	135.97	2,980.34	359.10	3,037.65	3,026.95	10.71	283.754		
1,468.06	1,466.62	1,609.90	1,605.43	5.26	5.78	130.63	2,980.12	353.96	3,037.17	3,026.20	10.98	276.735		
1,510.71	1,509.24	1,659.39	1,654.10	5.41	5.98	134.16	2,979.77	344.94	3,036.81	3,025.48	11.33	267.983		
1,553.36	1,551.88	1,698.27	1,692.34	5.56	6.14	153.22	2,979.44	337.93	3,036.31	3,024.66	11.65	260.714		
1,596.01	1,594.52	1,735.76	1,729.24	5.72	6.30	149.28	2,979.15	331.37	3,035.75	3,023.79	11.95	253.954		
1,638.66	1,637.16	1,777.06	1,769.94	5.87	6.47	142.11	2,978.84	324.31	3,035.10	3,022.83	12.28	247.195		
1,681.31	1,679.81	1,828.38	1,820.51	6.02	6.69	158.45	2,978.40	315.54	3,034.32	3,021.68	12.64	239.971		
1,723.96	1,722.45	1,856.59	1,848.25	6.17	6.81	147.41	2,978.21	310.49	3,033.72	3,020.81	12.92	234.861		
1,766.61	1,765.10	1,916.08	1,906.67	6.33	7.07	151.58	2,977.91	299.25	3,033.20	3,019.87	13.33	227.615		
1,809.26	1,807.74	2,002.22	1,991.08	6.48	7.45	149.06	2,976.43	282.17	3,031.98	3,018.13	13.86	218.817		
1,851.91	1,850.39	2,027.09	2,015.41	6.63	7.57	137.46	2,975.96	277.03	3,030.78	3,016.66	14.12	214.606		
1,894.56	1,893.03	2,083.38	2,070.48	6.78	7.82	134.70	2,974.99	265.40	3,029.69	3,015.16	14.53	208.517		
1,937.21	1,935.67	2,109.58	2,096.13	6.94	7.94	133.47	2,974.52	260.07	3,028.45	3,013.65	14.80	204.583		
1,979.86	1,978.32	2,181.76	2,166.89	7.09	8.27	132.39	2,972.96	245.96	3,027.11	3,011.83	15.28	198.111		
2,022.51	2,020.96	2,225.44	2,209.73	7.24	8.47	143.71	2,971.76	237.49	3,025.58	3,009.95	15.63	193.562		
2,065.16	2,063.61	2,267.79	2,251.26	7.40	8.67	141.58	2,970.57	229.30	3,024.13	3,008.15	15.98	189.274		
2,107.81	2,106.25	2,310.14	2,292.81	7.55	8.86	161.51	2,969.37	221.15	3,022.74	3,006.42	16.32	185.178		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXISTING HZ SUNSET 4-65 21-22 1BH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 24-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
2,150.46	2,148.89	2,352.50	2,334.36	7.70	9.06	161.24	2,968.16	213.04	3,021.46	3,004.79	16.67	181.263		
2,205.46	2,203.89	2,407.14	2,387.98	7.80	9.31	161.06	2,966.59	202.64	3,019.83	3,002.82	17.02	177.448		
2,300.00	2,298.37	2,521.76	2,499.89	7.82	9.87	129.86	2,963.09	178.15	3,017.40	2,999.81	17.58	171.601		
2,340.72	2,339.03	2,567.55	2,544.07	7.83	10.11	126.01	2,961.69	166.19	3,016.60	2,998.77	17.83	169.162		
2,400.00	2,398.21	2,644.96	2,618.22	7.86	10.53	125.67	2,959.19	144.16	3,015.45	2,997.18	18.27	165.064		
2,500.00	2,498.02	2,744.62	2,713.96	7.92	11.07	125.24	2,955.34	116.73	3,013.09	2,994.22	18.87	159.701		
2,600.00	2,597.84	2,819.20	2,785.53	7.99	11.48	124.92	2,952.80	95.90	3,011.33	2,991.98	19.35	155.618		
2,700.00	2,697.65	2,892.90	2,856.83	8.09	11.88	124.64	2,950.79	77.36	3,010.55	2,990.71	19.84	151.774		
2,740.08	2,737.66	2,923.38	2,886.42	8.13	12.04	124.53	2,950.09	70.09	3,010.48	2,990.44	20.04	150.239 CC		
2,800.00	2,797.47	2,970.15	2,931.94	8.20	12.28	124.37	2,949.16	59.39	3,010.63	2,990.29	20.34	148.018 ES		
2,900.00	2,897.29	3,055.07	3,015.04	8.32	12.69	124.12	2,947.79	42.03	3,011.42	2,990.54	20.88	144.241		
3,000.00	2,997.10	3,151.74	3,110.22	8.46	13.14	123.89	2,946.22	25.14	3,012.42	2,990.96	21.46	140.357		
3,100.00	3,096.92	3,237.02	3,194.31	8.61	13.53	123.70	2,945.08	10.98	3,013.80	2,991.80	22.00	136.992		
3,200.00	3,196.73	3,327.40	3,283.41	8.78	13.94	123.50	2,944.30	-4.08	3,015.68	2,993.11	22.57	133.592		
3,300.00	3,296.55	3,428.44	3,383.02	8.96	14.41	123.28	2,943.42	-21.03	3,017.61	2,994.40	23.21	130.008		
3,400.00	3,396.37	3,526.42	3,479.60	9.15	14.85	123.06	2,942.64	-37.52	3,019.64	2,995.80	23.84	126.637		
3,500.00	3,496.18	3,629.84	3,581.68	9.35	15.32	122.84	2,941.73	-54.10	3,021.66	2,997.15	24.51	123.278		
3,600.00	3,596.00	3,732.53	3,682.93	9.56	15.79	122.62	2,940.70	-71.19	3,023.58	2,998.40	25.19	120.040		
3,700.00	3,695.81	3,826.41	3,775.49	9.78	16.22	122.41	2,939.77	-86.86	3,025.58	2,999.74	25.84	117.110		
3,800.00	3,795.63	3,918.64	3,866.47	10.01	16.64	122.21	2,939.07	-101.99	3,027.83	3,001.35	26.48	114.336		
3,900.00	3,895.45	4,005.33	3,951.99	10.25	17.03	122.03	2,938.68	-116.18	3,030.45	3,003.34	27.11	111.781		
4,000.00	3,995.26	4,124.54	4,069.59	10.50	17.57	121.78	2,937.95	-135.65	3,032.92	3,005.02	27.90	108.713		
4,100.00	4,095.08	4,223.29	4,166.97	10.76	18.02	121.56	2,937.13	-152.05	3,035.23	3,006.63	28.60	106.123		
4,200.00	4,194.89	4,360.78	4,302.54	11.02	18.65	121.26	2,935.33	-174.90	3,037.19	3,007.70	29.49	102.991		
4,300.00	4,294.71	4,468.20	4,408.47	11.28	19.14	121.04	2,932.87	-192.48	3,038.13	3,007.89	30.24	100.454		
4,400.00	4,394.53	4,565.80	4,504.72	11.56	19.58	120.83	2,930.50	-208.48	3,038.99	3,008.03	30.96	98.157		
4,500.00	4,494.34	4,649.53	4,587.30	11.84	19.97	120.65	2,928.81	-222.24	3,040.29	3,008.67	31.62	96.152		
4,600.00	4,594.16	4,755.55	4,691.88	12.12	20.45	120.43	2,926.78	-239.59	3,041.74	3,009.35	32.39	93.924		
4,700.00	4,693.97	4,859.69	4,794.59	12.41	20.92	120.21	2,924.54	-256.60	3,042.99	3,009.84	33.15	91.804		
4,800.00	4,793.79	4,958.17	4,891.74	12.70	21.37	120.00	2,922.40	-272.62	3,044.26	3,010.37	33.89	89.837		
4,900.00	4,893.61	5,054.92	4,987.17	13.00	21.81	119.80	2,920.34	-288.34	3,045.62	3,010.99	34.62	87.967		
5,000.00	4,993.42	5,181.49	5,112.69	13.30	22.35	119.63	2,917.44	-303.95	3,046.75	3,011.30	35.45	85.941		
5,100.00	5,093.24	5,236.38	5,167.23	13.61	22.57	119.57	2,916.43	-310.02	3,048.19	3,012.21	35.98	84.730		
5,200.00	5,193.06	5,361.98	5,291.20	13.92	23.13	119.32	2,914.33	-329.95	3,050.13	3,013.29	36.84	82.785		
5,300.00	5,292.87	5,464.95	5,392.44	14.23	23.62	119.06	2,911.76	-348.65	3,051.33	3,013.69	37.64	81.058		
5,400.00	5,392.69	5,567.00	5,492.65	14.54	24.11	118.80	2,909.07	-367.73	3,052.47	3,014.03	38.45	79.390		
5,500.00	5,492.50	5,658.53	5,582.47	14.86	24.55	118.56	2,906.65	-385.17	3,053.69	3,014.48	39.21	77.883		
5,600.00	5,592.32	5,743.63	5,666.07	15.18	24.96	118.35	2,904.80	-400.98	3,055.40	3,015.46	39.94	76.505		
5,700.00	5,692.14	5,844.06	5,764.71	15.50	25.44	118.10	2,902.93	-419.71	3,057.49	3,016.74	40.74	75.046		
5,800.00	5,791.95	5,944.71	5,863.57	15.83	25.92	117.84	2,900.78	-438.54	3,059.36	3,017.81	41.55	73.629		
5,900.00	5,891.77	6,030.10	5,947.42	16.16	26.34	117.63	2,899.17	-454.59	3,061.56	3,019.27	42.29	72.397		
6,000.00	5,991.58	6,135.07	6,050.49	16.48	26.84	117.36	2,897.49	-474.37	3,064.10	3,020.98	43.12	71.053		
6,100.00	6,091.40	6,232.21	6,145.92	16.81	27.31	117.11	2,895.73	-492.47	3,066.46	3,022.54	43.92	69.816		
6,200.00	6,191.22	6,337.94	6,249.85	17.15	27.81	116.86	2,893.81	-511.76	3,068.87	3,024.11	44.76	68.564		
6,300.00	6,291.03	6,428.36	6,338.80	17.48	28.24	116.65	2,892.19	-527.92	3,071.31	3,025.79	45.52	67.472		
6,400.00	6,390.85	6,499.16	6,408.44	17.82	28.57	116.48	2,891.37	-540.71	3,074.43	3,028.25	46.19	66.567		
6,500.00	6,490.66	6,640.57	6,547.52	18.15	29.24	116.14	2,889.47	-566.16	3,077.45	3,030.25	47.20	65.201		
6,600.00	6,590.48	6,737.99	6,643.38	18.49	29.70	115.92	2,887.28	-583.40	3,079.59	3,031.59	48.00	64.161		
6,700.00	6,690.30	6,828.50	6,732.42	18.83	30.13	115.71	2,885.69	-599.52	3,082.26	3,033.49	48.76	63.208		
6,800.00	6,790.11	6,930.08	6,832.41	19.17	30.61	115.48	2,883.94	-617.36	3,084.98	3,035.40	49.58	62.219		
6,900.00	6,889.93	7,008.61	6,909.73	19.52	30.97	115.30	2,882.74	-631.05	3,087.97	3,037.68	50.29	61.404		
7,000.00	6,989.74	7,097.80	6,997.52	19.86	31.39	115.10	2,882.02	-646.78	3,091.70	3,040.65	51.05	60.565		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXISTING HZ SUNSET 4-65 21-22 1BH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 24-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
7,100.00	7,089.56	7,185.12	7,083.49	20.21	31.80	114.90	2,881.44	-662.08	3,095.62	3,043.82	51.80	59.763		
7,200.00	7,189.38	7,330.47	7,227.25	20.55	32.42	114.67	2,880.86	-682.97	3,099.63	3,046.86	52.77	58.739		
7,300.00	7,289.19	7,722.40	7,605.65	20.90	33.02	116.53	2,871.27	-601.57	3,095.96	3,042.41	53.55	57.815		
7,342.81	7,331.92	7,760.13	7,638.82	21.05	33.03	116.89	2,869.99	-583.64	3,093.43	3,039.71	53.72	57.587		
7,350.00	7,339.10	7,754.00	7,633.48	21.07	33.03	111.61	2,870.19	-586.65	3,093.04	3,039.28	53.75	57.541		
7,400.00	7,388.77	7,777.09	7,653.43	21.26	33.04	97.67	2,869.60	-575.04	3,090.35	3,036.38	53.97	57.264		
7,450.00	7,437.78	7,792.87	7,666.82	21.46	33.05	93.87	2,869.37	-566.70	3,087.95	3,033.76	54.19	56.981		
7,500.00	7,485.76	7,806.61	7,678.33	21.68	33.05	92.28	2,869.29	-559.19	3,085.90	3,031.48	54.43	56.697		
7,550.00	7,532.34	7,818.29	7,687.99	21.91	33.06	91.48	2,869.31	-552.62	3,084.28	3,029.61	54.67	56.414		
7,600.00	7,577.17	7,843.00	7,708.03	22.16	33.06	91.27	2,869.61	-538.17	3,083.24	3,028.32	54.93	56.135		
7,650.00	7,619.91	7,843.00	7,708.03	22.44	33.06	90.82	2,869.61	-538.17	3,082.58	3,027.38	55.19	55.850		
7,678.39	7,643.13	7,843.00	7,708.03	22.61	33.06	90.61	2,869.61	-538.17	3,082.48	3,027.12	55.36	55.685		
7,700.00	7,660.24	7,843.00	7,708.03	22.74	33.06	90.46	2,869.61	-538.17	3,082.53	3,027.06	55.48	55.565		
7,750.00	7,697.84	7,843.00	7,708.03	23.07	33.06	90.13	2,869.61	-538.17	3,083.12	3,027.34	55.78	55.273		
7,800.00	7,732.43	7,843.00	7,708.03	23.43	33.06	89.79	2,869.61	-538.17	3,084.32	3,028.21	56.11	54.970		
7,850.00	7,763.75	7,843.00	7,708.03	23.84	33.06	89.45	2,869.61	-538.17	3,086.13	3,029.66	56.47	54.650		
7,900.00	7,791.55	7,843.00	7,708.03	24.29	33.06	89.08	2,869.61	-538.17	3,088.53	3,031.66	56.87	54.308		
7,950.00	7,815.64	7,843.00	7,708.03	24.79	33.06	88.68	2,869.61	-538.17	3,091.51	3,034.20	57.31	53.940		
8,000.00	7,835.81	7,843.00	7,708.03	25.35	33.06	88.25	2,869.61	-538.17	3,095.04	3,037.24	57.80	53.545		
8,050.00	7,851.93	7,843.00	7,708.03	25.96	33.06	87.79	2,869.61	-538.17	3,099.09	3,040.75	58.34	53.124		
8,100.00	7,863.86	7,843.00	7,708.03	26.62	33.06	87.29	2,869.61	-538.17	3,103.63	3,044.71	58.92	52.679		
8,150.00	7,871.52	7,843.00	7,708.03	27.33	33.06	86.77	2,869.61	-538.17	3,108.62	3,049.09	59.53	52.215		
8,200.00	7,874.85	7,843.00	7,708.03	28.07	33.06	86.22	2,869.61	-538.17	3,114.03	3,053.84	60.19	51.739		
8,213.19	7,875.00	7,813.18	7,683.78	28.27	33.05	85.62	2,869.29	-555.51	3,115.03	3,054.69	60.35	51.619		
8,300.00	7,875.00	7,799.25	7,672.18	29.67	33.05	85.41	2,869.32	-563.25	3,125.52	3,063.96	61.56	50.775		
8,400.00	7,875.00	7,784.23	7,659.51	31.43	33.04	85.17	2,869.48	-571.30	3,140.27	3,077.22	63.05	49.807		
8,500.00	7,875.00	7,754.00	7,633.48	33.31	33.03	84.69	2,870.19	-586.65	3,158.05	3,093.44	64.61	48.881		
8,600.00	7,875.00	7,754.00	7,633.48	35.29	33.03	84.69	2,870.19	-586.65	3,178.34	3,112.10	66.24	47.983		
8,700.00	7,875.00	7,754.00	7,633.48	37.37	33.03	84.69	2,870.19	-586.65	3,201.63	3,133.74	67.90	47.154		
8,800.00	7,875.00	7,718.95	7,602.58	39.52	33.01	84.13	2,871.39	-603.14	3,227.40	3,157.85	69.54	46.407		
8,900.00	7,875.00	7,701.10	7,586.60	41.73	33.01	83.84	2,872.07	-611.06	3,255.85	3,184.65	71.20	45.727		
9,000.00	7,875.00	7,665.00	7,553.81	44.00	32.99	83.24	2,873.55	-626.08	3,287.04	3,214.21	72.83	45.135		
9,100.00	7,875.00	7,665.00	7,553.81	46.32	32.99	83.24	2,873.55	-626.08	3,320.44	3,245.98	74.46	44.592		
9,200.00	7,875.00	7,665.00	7,553.81	48.67	32.99	83.24	2,873.55	-626.08	3,356.49	3,280.43	76.06	44.128		
9,300.00	7,875.00	7,639.91	7,530.62	51.05	32.97	82.82	2,874.59	-635.60	3,394.86	3,317.27	77.60	43.751		
9,400.00	7,875.00	7,627.14	7,518.68	53.47	32.96	82.60	2,875.08	-640.10	3,435.61	3,356.52	79.10	43.435		
9,500.00	7,875.00	7,615.62	7,507.83	55.91	32.95	82.41	2,875.51	-643.96	3,478.64	3,398.09	80.55	43.184		
9,600.00	7,875.00	7,605.18	7,497.94	58.37	32.94	82.23	2,875.87	-647.28	3,523.89	3,441.92	81.96	42.994		
9,700.00	7,875.00	7,575.00	7,469.07	60.85	32.92	81.71	2,876.83	-656.00	3,571.46	3,488.18	83.28	42.884		
9,800.00	7,875.00	7,575.00	7,469.07	63.35	32.92	81.71	2,876.83	-656.00	3,620.79	3,536.18	84.60	42.797		
9,900.00	7,875.00	7,575.00	7,469.07	65.86	32.92	81.71	2,876.83	-656.00	3,672.17	3,586.30	85.87	42.765 SF		
10,000.00	7,875.00	7,575.00	7,469.07	68.39	32.92	81.71	2,876.83	-656.00	3,725.53	3,638.45	87.08	42.782		
10,100.00	7,875.00	7,575.00	7,469.07	70.93	32.92	81.71	2,876.83	-656.00	3,780.78	3,692.54	88.24	42.845		
10,200.00	7,875.00	7,575.00	7,469.07	73.48	32.92	81.71	2,876.83	-656.00	3,837.84	3,748.49	89.35	42.953		
10,300.00	7,875.00	7,575.00	7,469.07	76.04	32.92	81.71	2,876.83	-656.00	3,896.64	3,806.23	90.41	43.101		
10,400.00	7,875.00	7,542.84	7,437.93	78.61	32.87	81.14	2,877.74	-663.96	3,956.60	3,865.25	91.35	43.313		
10,500.00	7,875.00	7,536.83	7,432.07	81.19	32.86	81.04	2,877.90	-665.32	4,018.42	3,926.12	92.30	43.537		
10,600.00	7,875.00	7,531.18	7,426.56	83.77	32.86	80.94	2,878.05	-666.55	4,081.72	3,988.52	93.20	43.794		
10,700.00	7,875.00	7,525.85	7,421.36	86.36	32.85	80.85	2,878.19	-667.68	4,146.44	4,052.38	94.06	44.081		
10,800.00	7,875.00	7,520.83	7,416.44	88.96	32.84	80.76	2,878.32	-668.72	4,212.52	4,117.63	94.88	44.396		
10,900.00	7,875.00	7,486.00	7,382.21	91.56	32.80	80.15	2,879.14	-675.09	4,280.33	4,184.75	95.59	44.780		
11,000.00	7,875.00	7,486.00	7,382.21	94.17	32.80	80.15	2,879.14	-675.09	4,348.81	4,252.47	96.34	45.140		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXISTING HZ SUNSET 4-65 21-22 1BH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 24-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance						Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
11,100.00	7,875.00	7,486.00	7,382.21	96.78	32.80	80.15	2,879.14	-675.09	4,418.49	4,321.44	97.06	45.525		
11,200.00	7,875.00	7,486.00	7,382.21	99.39	32.80	80.15	2,879.14	-675.09	4,489.32	4,391.58	97.74	45.932		
11,300.00	7,875.00	7,486.00	7,382.21	102.01	32.80	80.15	2,879.14	-675.09	4,561.24	4,462.86	98.39	46.360		
11,400.00	7,875.00	7,486.00	7,382.21	104.64	32.80	80.15	2,879.14	-675.09	4,634.21	4,535.20	99.00	46.808		
11,500.00	7,875.00	7,486.00	7,382.21	107.26	32.80	80.15	2,879.14	-675.09	4,708.16	4,608.57	99.59	47.275		
11,600.00	7,875.00	7,486.00	7,382.21	109.89	32.80	80.15	2,879.14	-675.09	4,783.06	4,682.91	100.15	47.759		
11,700.00	7,875.00	7,486.00	7,382.21	112.52	32.80	80.15	2,879.14	-675.09	4,858.87	4,758.19	100.68	48.260		
11,800.00	7,875.00	7,486.00	7,382.21	115.16	32.80	80.15	2,879.14	-675.09	4,935.54	4,834.35	101.19	48.777		
11,900.00	7,875.00	7,486.00	7,382.21	117.80	32.80	80.15	2,879.14	-675.09	5,013.03	4,911.36	101.67	49.308		
12,000.00	7,875.00	7,486.00	7,382.21	120.44	32.80	80.15	2,879.14	-675.09	5,091.31	4,989.18	102.13	49.853		
12,100.00	7,875.00	7,486.00	7,382.21	123.08	32.80	80.15	2,879.14	-675.09	5,170.33	5,067.77	102.56	50.411		
12,200.00	7,875.00	7,486.00	7,382.21	125.73	32.80	80.15	2,879.14	-675.09	5,250.07	5,147.09	102.98	50.982		
12,300.00	7,875.00	7,486.00	7,382.21	128.37	32.80	80.15	2,879.14	-675.09	5,330.49	5,227.12	103.38	51.564		
12,400.00	7,875.00	7,486.00	7,382.21	131.02	32.80	80.15	2,879.14	-675.09	5,411.57	5,307.81	103.76	52.157		
12,500.00	7,875.00	7,486.00	7,382.21	133.67	32.80	80.15	2,879.14	-675.09	5,493.27	5,389.15	104.12	52.761		
12,600.00	7,875.00	7,486.00	7,382.21	136.32	32.80	80.15	2,879.14	-675.09	5,575.56	5,471.10	104.46	53.374		
12,700.00	7,875.00	7,486.00	7,382.21	138.97	32.80	80.15	2,879.14	-675.09	5,658.43	5,553.64	104.79	53.997		
12,800.00	7,875.00	7,486.00	7,382.21	141.63	32.80	80.15	2,879.14	-675.09	5,741.84	5,636.74	105.11	54.628		
12,900.00	7,875.00	7,486.00	7,382.21	144.28	32.80	80.15	2,879.14	-675.09	5,825.78	5,720.37	105.41	55.268		
13,000.00	7,875.00	7,486.00	7,382.21	146.94	32.80	80.15	2,879.14	-675.09	5,910.21	5,804.51	105.70	55.916		
13,100.00	7,875.00	7,486.00	7,382.21	149.60	32.80	80.15	2,879.14	-675.09	5,995.13	5,889.15	105.97	56.571		
13,200.00	7,875.00	7,486.00	7,382.21	152.26	32.80	80.15	2,879.14	-675.09	6,080.50	5,974.26	106.24	57.234		
13,300.00	7,875.00	7,486.00	7,382.21	154.92	32.80	80.15	2,879.14	-675.09	6,166.31	6,059.82	106.49	57.903		
13,400.00	7,875.00	7,486.00	7,382.21	157.58	32.80	80.15	2,879.14	-675.09	6,252.54	6,145.81	106.74	58.579		
13,500.00	7,875.00	7,486.00	7,382.21	160.24	32.80	80.15	2,879.14	-675.09	6,339.18	6,232.21	106.97	59.261		
13,600.00	7,875.00	7,486.00	7,382.21	162.91	32.80	80.15	2,879.14	-675.09	6,426.21	6,319.01	107.20	59.948		
13,700.00	7,875.00	7,447.53	7,344.11	165.57	32.72	79.47	2,879.87	-680.31	6,512.64	6,405.33	107.32	60.686		
13,800.00	7,875.00	7,446.26	7,342.85	168.24	32.72	79.44	2,879.89	-680.44	6,600.33	6,492.81	107.52	61.386		
13,900.00	7,875.00	7,445.04	7,341.63	170.90	32.72	79.42	2,879.91	-680.57	6,688.37	6,580.65	107.72	62.090		
14,000.00	7,875.00	7,443.85	7,340.45	173.57	32.72	79.40	2,879.93	-680.70	6,776.73	6,668.82	107.91	62.800		
14,100.00	7,875.00	7,442.70	7,339.31	176.24	32.71	79.38	2,879.94	-680.82	6,865.41	6,757.32	108.09	63.514		
14,200.00	7,875.00	7,441.58	7,338.20	178.90	32.71	79.36	2,879.96	-680.93	6,954.39	6,846.12	108.27	64.232		
14,300.00	7,875.00	7,440.50	7,337.12	181.57	32.71	79.34	2,879.98	-681.04	7,043.67	6,935.23	108.44	64.955		
14,400.00	7,875.00	7,439.45	7,336.08	184.24	32.71	79.32	2,879.99	-681.14	7,133.24	7,024.63	108.60	65.681		
14,500.00	7,875.00	7,438.43	7,335.06	186.91	32.70	79.30	2,880.01	-681.24	7,223.07	7,114.31	108.76	66.411		
14,600.00	7,875.00	7,437.44	7,334.07	189.58	32.70	79.29	2,880.02	-681.34	7,313.17	7,204.25	108.92	67.145		
14,700.00	7,875.00	7,436.48	7,333.12	192.26	32.70	79.27	2,880.03	-681.43	7,403.52	7,294.46	109.06	67.882		
14,800.00	7,875.00	7,397.00	7,293.73	194.93	32.62	78.57	2,880.03	-684.03	7,495.11	7,386.02	109.09	68.707		
14,900.00	7,875.00	7,397.00	7,293.73	197.60	32.62	78.57	2,880.43	-684.03	7,585.89	7,476.66	109.23	69.449		
15,000.00	7,875.00	7,397.00	7,293.73	200.27	32.62	78.57	2,880.43	-684.03	7,676.90	7,567.54	109.37	70.193		
15,100.00	7,875.00	7,397.00	7,293.73	202.95	32.62	78.57	2,880.43	-684.03	7,768.14	7,658.64	109.50	70.941		
15,200.00	7,875.00	7,397.00	7,293.73	205.62	32.62	78.57	2,880.43	-684.03	7,859.59	7,749.96	109.63	71.691		
15,300.00	7,875.00	7,397.00	7,293.73	208.29	32.62	78.57	2,880.43	-684.03	7,951.24	7,841.48	109.76	72.443		
15,400.00	7,875.00	7,397.00	7,293.73	210.97	32.62	78.57	2,880.43	-684.03	8,043.10	7,933.22	109.88	73.199		
15,500.00	7,875.00	7,397.00	7,293.73	213.64	32.62	78.57	2,880.43	-684.03	8,135.14	8,025.14	110.00	73.956		
15,600.00	7,875.00	7,397.00	7,293.73	216.32	32.62	78.57	2,880.43	-684.03	8,227.37	8,117.26	110.12	74.716		
15,700.00	7,875.00	7,397.00	7,293.73	218.99	32.62	78.57	2,880.43	-684.03	8,319.78	8,209.56	110.23	75.478		
15,800.00	7,875.00	7,397.00	7,293.73	221.67	32.62	78.57	2,880.43	-684.03	8,412.37	8,302.03	110.34	76.242		
15,900.00	7,875.00	7,397.00	7,293.73	224.35	32.62	78.57	2,880.43	-684.03	8,505.12	8,394.67	110.45	77.008		
16,000.00	7,875.00	7,397.00	7,293.73	227.02	32.62	78.57	2,880.43	-684.03	8,598.03	8,487.48	110.55	77.776		
16,100.00	7,875.00	7,397.00	7,293.73	229.70	32.62	78.57	2,880.43	-684.03	8,691.11	8,580.45	110.65	78.545		
16,200.00	7,875.00	7,397.00	7,293.73	232.38	32.62	78.57	2,880.43	-684.03	8,784.33	8,673.58	110.75	79.316		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXISTING HZ SUNSET 4-65 21-22 1BH - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 24-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
16,300.00	7,875.00	7,397.00	7,293.73	235.06	32.62	78.57	2,880.43	-684.03	8,877.70	8,766.85	110.85	80.089	
16,400.00	7,875.00	7,397.00	7,293.73	237.73	32.62	78.57	2,880.43	-684.03	8,971.22	8,860.27	110.94	80.863	
16,500.00	7,875.00	7,397.00	7,293.73	240.41	32.62	78.57	2,880.43	-684.03	9,064.87	8,953.83	111.04	81.639	
16,600.00	7,875.00	7,397.00	7,293.73	243.09	32.62	78.57	2,880.43	-684.03	9,158.66	9,047.53	111.13	82.416	
16,700.00	7,875.00	7,397.00	7,293.73	245.77	32.62	78.57	2,880.43	-684.03	9,252.57	9,141.36	111.22	83.195	
16,800.00	7,875.00	7,397.00	7,293.73	248.45	32.62	78.57	2,880.43	-684.03	9,346.62	9,235.31	111.30	83.975	
16,900.00	7,875.00	7,397.00	7,293.73	251.13	32.62	78.57	2,880.43	-684.03	9,440.78	9,329.39	111.39	84.755	
17,000.00	7,875.00	7,397.00	7,293.73	253.81	32.62	78.57	2,880.43	-684.03	9,535.07	9,423.60	111.47	85.537	
17,100.00	7,875.00	7,397.00	7,293.73	256.49	32.62	78.57	2,880.43	-684.03	9,629.47	9,517.91	111.55	86.320	
17,200.00	7,875.00	7,397.00	7,293.73	259.17	32.62	78.57	2,880.43	-684.03	9,723.98	9,612.34	111.64	87.104	
17,300.00	7,875.00	7,397.00	7,293.73	261.85	32.62	78.57	2,880.43	-684.03	9,818.60	9,706.88	111.72	87.889	
17,400.00	7,875.00	7,397.00	7,293.73	264.53	32.62	78.57	2,880.43	-684.03	9,913.33	9,801.53	111.79	88.675	

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXISTING HZ SUNSET 4-65 21-22 2BH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 24-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	57.15	57.15	0.00	0.12	8.47	2,971.21	442.41	3,003.99					
29.38	29.38	106.13	106.12	0.01	0.29	133.20	2,970.85	442.35	3,003.80	3,003.49	0.31	9,596.578		
59.94	59.94	134.42	134.42	0.12	0.40	111.23	2,970.58	442.15	3,003.55	3,003.03	0.51	5,834.708		
90.50	90.50	162.35	162.35	0.23	0.49	142.55	2,970.37	441.99	3,003.41	3,002.69	0.72	4,155.266		
121.06	121.06	204.85	204.84	0.34	0.65	145.36	2,969.93	441.76	3,003.33	3,002.35	0.98	3,051.153		
151.62	151.62	234.03	234.02	0.45	0.75	111.07	2,969.59	441.51	3,003.18	3,001.98	1.20	2,506.713		
212.74	212.73	412.11	411.97	0.67	1.40	131.36	2,964.72	437.52	3,001.85	2,999.79	2.06	1,454.749		
273.86	273.84	666.91	665.38	0.89	2.38	114.82	2,945.88	419.90	2,997.23	2,993.99	3.24	925.953		
316.51	316.48	786.59	783.44	1.04	2.89	118.02	2,932.17	405.93	2,991.87	2,988.01	3.85	776.474		
359.16	359.12	859.16	855.14	1.19	1.15	122.00	2,908.85	379.88	2,985.35	2,983.62	1.73	1,728.630		
401.81	401.74	1,011.38	1,002.68	1.35	3.96	125.37	2,899.27	369.05	2,978.27	2,973.19	5.08	586.263		
444.46	444.34	1,082.14	1,071.17	1.51	4.32	121.21	2,887.36	355.85	2,971.05	2,965.52	5.53	536.791		
487.11	486.92	1,114.08	1,102.12	1.66	4.49	121.18	2,881.89	350.17	2,963.98	2,958.15	5.82	509.009		
529.76	529.49	1,154.18	1,140.98	1.82	4.70	119.74	2,875.23	342.86	2,957.21	2,951.06	6.15	480.808		
572.41	572.04	1,206.91	1,191.91	1.98	4.99	120.29	2,866.24	332.58	2,950.21	2,943.67	6.54	451.111		
615.06	614.59	1,239.25	1,223.15	2.14	5.16	117.24	2,860.85	326.17	2,943.37	2,936.53	6.84	430.201		
657.71	657.13	1,278.20	1,260.82	2.30	5.37	116.84	2,854.35	318.72	2,936.59	2,929.42	7.17	409.352		
700.36	699.68	1,311.00	1,292.64	2.46	5.55	120.07	2,848.91	312.90	2,929.96	2,922.48	7.48	391.864		
743.01	742.23	1,362.86	1,343.01	2.61	5.82	120.92	2,840.21	304.16	2,923.31	2,915.45	7.86	371.898		
785.66	784.78	1,396.40	1,375.61	2.77	6.00	125.33	2,834.50	298.71	2,916.84	2,908.68	8.16	357.283		
828.31	827.31	1,421.11	1,399.67	2.94	6.12	126.43	2,830.39	294.84	2,910.79	2,902.36	8.43	345.308		
870.96	869.88	1,447.18	1,425.10	3.09	6.26	126.49	2,826.24	290.89	2,904.78	2,896.07	8.70	333.784		
913.61	912.48	1,501.31	1,477.95	3.25	6.53	132.90	2,817.58	282.98	2,898.50	2,889.41	9.09	318.869		
956.26	955.09	1,541.59	1,517.21	3.41	6.74	135.21	2,811.01	276.89	2,892.12	2,882.70	9.42	307.082		
998.91	997.69	1,568.67	1,543.65	3.56	6.88	135.43	2,806.71	272.85	2,886.01	2,876.32	9.69	297.773		
1,041.56	1,040.31	1,626.28	1,599.88	3.72	7.17	135.44	2,797.37	264.61	2,879.59	2,869.50	10.09	285.365		
1,084.21	1,082.93	1,655.06	1,628.00	3.87	7.32	138.49	2,792.75	260.55	2,873.05	2,862.68	10.37	277.034		
1,126.86	1,125.57	1,695.30	1,667.33	4.03	7.52	134.50	2,786.32	254.94	2,866.50	2,855.81	10.70	267.993		
1,169.51	1,168.19	1,721.49	1,692.93	4.18	7.66	138.65	2,782.22	251.22	2,860.21	2,849.24	10.97	260.843		
1,212.16	1,210.82	1,794.29	1,764.04	4.34	8.03	146.34	2,771.05	240.34	2,854.14	2,842.71	11.43	249.757		
1,254.81	1,253.45	1,841.71	1,810.29	4.49	8.27	158.25	2,763.26	233.31	2,847.54	2,835.75	11.79	241.617		
1,297.46	1,296.09	1,889.43	1,856.76	4.64	8.53	156.82	2,755.52	225.76	2,840.91	2,828.77	12.15	233.874		
1,340.11	1,338.72	1,953.68	1,919.19	4.79	8.87	161.06	2,744.71	215.08	2,834.01	2,821.43	12.58	225.247		
1,382.76	1,381.36	2,013.36	1,977.06	4.95	9.19	148.69	2,734.25	204.95	2,826.86	2,813.86	13.00	217.454		
1,425.41	1,423.99	2,036.39	2,003.39	5.10	9.94	133.49	2,723.13	194.33	2,819.32	2,808.86	10.45	269.703		
1,468.06	1,466.62	2,108.10	2,068.76	5.26	9.72	128.21	2,716.91	188.62	2,811.56	2,797.82	13.74	204.636		
1,510.71	1,509.24	2,139.53	2,099.23	5.41	9.89	131.79	2,711.29	183.37	2,804.16	2,790.12	14.04	199.715		
1,553.36	1,551.88	2,182.42	2,140.86	5.56	10.12	150.70	2,703.58	176.43	2,796.67	2,782.28	14.39	194.372		
1,596.01	1,594.52	2,218.38	2,175.78	5.72	10.32	146.80	2,697.15	170.78	2,789.14	2,774.44	14.71	189.655		
1,638.66	1,637.16	2,255.29	2,211.63	5.87	10.52	139.62	2,690.62	164.92	2,781.57	2,766.54	15.03	185.057		
1,681.31	1,679.81	2,292.14	2,247.41	6.02	10.72	155.98	2,684.18	158.91	2,773.98	2,758.63	15.35	180.657		
1,723.96	1,722.45	2,329.00	2,283.20	6.17	10.92	144.97	2,677.81	152.76	2,766.60	2,750.92	15.68	176.453		
1,766.61	1,765.10	2,365.85	2,318.95	6.33	11.12	149.19	2,671.53	146.47	2,759.32	2,743.31	16.00	172.414		
1,809.26	1,807.74	2,402.65	2,354.66	6.48	11.32	146.87	2,665.33	140.04	2,752.05	2,735.72	16.33	168.531		
1,851.91	1,850.39	2,441.01	2,391.86	6.63	11.53	135.29	2,658.93	133.27	2,744.91	2,728.24	16.66	164.716		
1,894.56	1,893.03	2,479.73	2,429.44	6.78	11.74	132.59	2,652.50	126.50	2,737.80	2,720.79	17.00	161.028		
1,937.21	1,935.67	2,524.82	2,473.22	6.94	11.99	131.30	2,645.03	118.67	2,730.62	2,713.25	17.37	157.228		
1,979.86	1,978.32	2,575.53	2,522.40	7.09	12.27	130.30	2,636.49	109.77	2,723.29	2,705.53	17.76	153.368		
2,022.51	2,020.96	2,614.84	2,560.51	7.24	12.48	141.63	2,629.81	102.82	2,715.96	2,697.86	18.10	150.070		
2,065.16	2,063.61	2,650.86	2,595.44	7.40	12.68	139.52	2,623.76	96.45	2,708.80	2,690.37	18.43	147.009		
2,107.81	2,106.25	2,690.87	2,634.26	7.55	12.90	159.43	2,617.10	89.39	2,701.78	2,683.01	18.77	143.932		
2,150.46	2,148.89	2,740.04	2,681.94	7.70	13.17	159.14	2,608.85	80.69	2,694.80	2,675.64	19.16	140.681		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXISTING HZ SUNSET 4-65 21-22 2BH - OWB - FINAL SURVEY													Offset Site Error: 0.00 usft	
Survey Program: 24-MWD OWSG													Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis		Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
2,205.46	2,203.89	2,790.53	2,730.89	7.80	13.45	158.96	2,600.28	71.72	2,685.74	2,666.24	19.50	137.718		
2,300.00	2,298.37	2,868.07	2,806.16	7.82	13.88	128.16	2,587.50	58.18	2,671.28	2,651.38	19.90	134.212		
2,340.72	2,339.03	2,915.32	2,852.03	7.83	14.13	124.47	2,579.74	49.92	2,665.46	2,645.32	20.14	132.344		
2,400.00	2,398.21	2,978.45	2,913.28	7.86	14.48	124.31	2,569.21	38.82	2,656.99	2,636.53	20.47	129.819		
2,500.00	2,498.02	3,101.05	3,032.32	7.92	15.15	124.01	2,548.31	18.26	2,642.49	2,621.39	21.10	125.262		
2,600.00	2,597.84	3,188.30	3,116.93	7.99	15.63	123.79	2,532.90	3.54	2,627.39	2,605.80	21.60	121.661		
2,700.00	2,697.65	3,272.98	3,199.14	8.09	16.09	123.58	2,518.53	-10.78	2,613.01	2,590.91	22.10	118.225		
2,800.00	2,797.47	3,374.09	3,297.43	8.20	16.64	123.34	2,501.58	-27.35	2,598.91	2,576.22	22.69	114.541		
2,900.00	2,897.29	3,486.92	3,407.13	8.32	17.25	123.08	2,482.21	-45.23	2,584.47	2,561.13	23.34	110.747		
3,000.00	2,997.10	3,564.05	3,482.21	8.46	17.66	122.90	2,469.09	-57.13	2,570.24	2,546.40	23.85	107.774		
3,100.00	3,096.92	3,653.06	3,568.91	8.61	18.13	122.70	2,454.43	-70.95	2,556.60	2,532.17	24.42	104.676		
3,200.00	3,196.73	3,745.00	3,658.35	8.78	18.63	122.47	2,439.10	-85.68	2,542.81	2,517.78	25.03	101.586		
3,300.00	3,296.55	3,801.09	3,712.90	8.96	18.93	122.32	2,430.29	-95.31	2,530.20	2,504.69	25.51	99.203		
3,400.00	3,396.37	3,944.56	3,852.64	9.15	19.69	121.92	2,409.59	-120.26	2,519.02	2,492.65	26.38	95.506		
3,500.00	3,496.18	4,048.87	3,954.20	9.35	20.24	121.66	2,392.69	-137.01	2,505.82	2,478.74	27.07	92.553		
3,600.00	3,596.00	4,151.40	4,053.96	9.56	20.79	121.39	2,375.81	-153.64	2,492.39	2,464.60	27.78	89.717		
3,700.00	3,695.81	4,266.11	4,165.46	9.78	21.41	121.09	2,356.65	-172.58	2,478.80	2,450.25	28.55	86.819		
3,800.00	3,795.63	4,357.77	4,254.55	10.01	21.91	120.84	2,340.99	-187.40	2,464.86	2,435.62	29.23	84.314		
3,900.00	3,895.45	4,453.69	4,347.83	10.25	22.43	120.59	2,324.87	-202.90	2,451.25	2,421.30	29.94	81.860		
4,000.00	3,995.26	4,586.25	4,476.81	10.50	23.13	120.29	2,300.80	-221.72	2,436.08	2,405.29	30.79	79.124		
4,100.00	4,095.08	4,648.83	4,537.69	10.76	23.47	120.13	2,289.96	-231.30	2,422.01	2,390.64	31.37	77.206		
4,200.00	4,194.89	4,734.40	4,620.93	11.02	23.93	119.90	2,275.90	-245.26	2,408.90	2,376.84	32.06	75.126		
4,300.00	4,294.71	4,822.10	4,706.27	11.28	24.40	119.64	2,261.95	-259.91	2,396.39	2,363.61	32.78	73.108		
4,400.00	4,394.53	4,942.03	4,822.85	11.56	25.05	119.28	2,242.48	-280.23	2,383.61	2,349.96	33.64	70.852		
4,500.00	4,494.34	5,039.84	4,918.03	11.84	25.57	119.02	2,226.13	-295.69	2,370.39	2,335.98	34.41	68.892		
4,600.00	4,594.16	5,135.42	5,011.06	12.12	26.09	118.74	2,210.42	-311.04	2,357.51	2,322.34	35.17	67.031		
4,700.00	4,693.97	5,274.84	5,146.40	12.41	26.85	118.32	2,186.38	-334.26	2,343.95	2,307.81	36.13	64.871		
4,800.00	4,793.79	5,375.68	5,244.01	12.70	27.42	117.99	2,167.96	-351.66	2,329.41	2,292.46	36.95	63.041		
4,900.00	4,893.61	5,481.02	5,345.88	13.00	28.01	117.64	2,148.48	-370.13	2,314.74	2,276.94	37.80	61.239		
5,000.00	4,993.42	5,573.50	5,435.23	13.30	28.54	117.32	2,131.19	-386.54	2,299.96	2,261.36	38.60	59.582		
5,100.00	5,093.24	5,675.03	5,533.43	13.61	29.12	116.97	2,112.62	-404.42	2,285.66	2,246.21	39.45	57.944		
5,200.00	5,193.06	5,770.55	5,625.85	13.92	29.65	116.64	2,094.81	-420.69	2,271.04	2,230.78	40.27	56.402		
5,300.00	5,292.87	5,866.72	5,718.96	14.23	30.20	116.32	2,077.18	-437.09	2,256.80	2,215.71	41.09	54.919		
5,400.00	5,392.69	5,944.12	5,793.92	14.54	30.63	116.05	2,063.23	-450.37	2,242.99	2,201.15	41.85	53.602		
5,500.00	5,492.50	6,034.40	5,881.66	14.86	31.12	115.75	2,047.84	-465.13	2,230.13	2,187.48	42.65	52.293		
5,600.00	5,592.32	6,128.10	5,972.74	15.18	31.63	115.45	2,031.95	-480.30	2,217.41	2,173.95	43.46	51.018		
5,700.00	5,692.14	6,222.01	6,064.06	15.50	32.13	115.14	2,016.27	-495.56	2,205.03	2,160.75	44.28	49.793		
5,800.00	5,791.95	6,313.24	6,152.84	15.83	32.62	114.84	2,001.25	-510.32	2,192.96	2,147.86	45.10	48.627		
5,900.00	5,891.77	6,432.28	6,268.54	16.16	33.27	114.43	1,981.26	-529.89	2,180.64	2,134.60	46.04	47.369		
6,000.00	5,991.58	6,514.95	6,348.89	16.48	33.72	114.15	1,967.34	-543.45	2,168.35	2,121.53	46.83	46.307		
6,100.00	6,091.40	6,617.99	6,449.16	16.81	34.27	113.80	1,950.30	-559.95	2,156.40	2,108.70	47.70	45.209		
6,200.00	6,191.22	6,714.86	6,543.40	17.15	34.79	113.47	1,933.97	-575.33	2,144.20	2,095.66	48.55	44.168		
6,300.00	6,291.03	6,794.64	6,621.19	17.48	35.21	113.21	1,921.25	-587.65	2,132.87	2,083.55	49.32	43.244		
6,400.00	6,390.85	6,899.26	6,723.30	17.82	35.76	112.88	1,904.74	-603.34	2,121.75	2,071.56	50.19	42.271		
6,500.00	6,490.66	7,016.79	6,837.92	18.15	36.37	112.50	1,885.76	-621.04	2,110.38	2,059.26	51.12	41.280		
6,600.00	6,590.48	7,114.30	6,932.78	18.49	36.90	112.16	1,869.16	-636.35	2,098.26	2,046.28	51.99	40.361		
6,700.00	6,690.30	7,216.10	7,031.86	18.83	37.44	111.80	1,852.01	-652.28	2,086.40	2,033.53	52.87	39.462		
6,800.00	6,790.11	7,316.00	7,167.04	19.17	38.00	111.36	1,828.15	-671.90	2,074.22	2,022.79	53.82	40.335		
6,900.00	6,889.93	7,536.11	7,344.63	19.52	38.91	111.38	1,793.97	-675.18	2,057.84	2,003.22	54.62	37.674		
7,000.00	6,989.74	7,611.29	7,417.88	19.86	39.10	111.72	1,780.71	-664.90	2,040.19	1,985.07	55.11	37.018		
7,100.00	7,089.56	7,666.00	7,470.68	20.21	39.21	112.12	1,773.56	-652.57	2,024.99	1,969.42	55.57	36.442		
7,200.00	7,189.38	7,200.00	7,709.26	20.55	39.39	115.65	1,739.50	-537.96	2,005.94	1,950.92	55.03	36.452		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXISTING HZ SUNSET 4-65 21-22 2BH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 24-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
7,300.00	7,289.19	7,976.18	7,741.57	20.90	39.32	116.45	1,734.81	-511.81	1,986.28	1,930.84	55.44	35.829		
7,342.81	7,331.92	7,990.24	7,752.13	21.05	39.31	116.73	1,733.57	-502.62	1,978.98	1,923.37	55.61	35.587		
7,350.00	7,339.10	7,992.54	7,753.85	21.07	39.31	111.63	1,733.38	-501.10	1,977.81	1,922.18	55.64	35.548		
7,400.00	7,388.77	8,022.00	7,775.40	21.26	39.29	98.62	1,731.42	-481.11	1,970.22	1,914.46	55.76	35.337		
7,450.00	7,437.78	8,022.00	7,775.40	21.46	39.29	95.10	1,731.42	-481.11	1,963.13	1,907.14	55.99	35.062		
7,500.00	7,485.76	8,038.31	7,787.01	21.68	39.27	94.14	1,730.59	-469.69	1,957.01	1,900.88	56.13	34.866		
7,550.00	7,532.34	8,053.83	7,797.84	21.91	39.25	93.94	1,729.87	-458.60	1,951.84	1,895.59	56.25	34.700		
7,600.00	7,577.17	8,065.01	7,805.52	22.16	39.24	93.93	1,729.39	-450.48	1,947.77	1,891.40	56.37	34.556		
7,650.00	7,619.91	8,072.28	7,810.45	22.44	39.24	93.91	1,729.10	-445.15	1,944.93	1,888.45	56.48	34.437		
7,700.00	7,660.24	8,076.03	7,812.97	22.74	39.23	93.81	1,728.96	-442.38	1,943.39	1,886.80	56.59	34.342		
7,731.92	7,684.57	8,076.76	7,813.47	22.95	39.23	93.67	1,728.93	-441.84	1,943.12	1,886.45	56.67	34.291 CC, ES		
7,750.00	7,697.84	8,076.65	7,813.39	23.07	39.23	93.57	1,728.94	-441.92	1,943.21	1,886.50	56.70	34.269		
7,800.00	7,732.43	8,074.50	7,811.95	23.43	39.23	93.18	1,729.02	-443.51	1,944.37	1,887.54	56.83	34.213		
7,850.00	7,763.75	8,069.90	7,808.84	23.84	39.24	92.63	1,729.20	-446.90	1,946.87	1,889.89	56.97	34.171		
7,900.00	7,791.55	8,063.13	7,804.23	24.29	39.24	91.93	1,729.47	-451.86	1,950.64	1,893.50	57.14	34.136		
7,950.00	7,815.64	8,054.45	7,798.27	24.79	39.25	91.08	1,729.84	-458.15	1,955.61	1,898.27	57.35	34.103		
8,000.00	7,835.81	8,044.07	7,791.06	25.35	39.26	90.11	1,730.31	-465.59	1,961.70	1,904.11	57.58	34.067		
8,050.00	7,851.93	8,022.00	7,775.40	25.96	39.29	88.76	1,731.42	-481.11	1,968.82	1,910.95	57.87	34.020		
8,100.00	7,863.86	8,022.00	7,775.40	26.62	39.29	87.92	1,731.42	-481.11	1,976.73	1,918.54	58.18	33.974		
8,150.00	7,871.52	8,022.00	7,775.40	27.33	39.29	87.00	1,731.42	-481.11	1,985.56	1,927.02	58.54	33.918		
8,200.00	7,874.85	8,022.00	7,775.40	28.07	39.29	86.01	1,731.42	-481.11	1,995.26	1,936.32	58.94	33.852		
8,213.19	7,875.00	8,022.00	7,775.40	28.27	39.29	85.74	1,731.42	-481.11	1,997.94	1,938.89	59.05	33.834		
8,300.00	7,875.00	7,981.66	7,745.70	29.67	39.31	84.88	1,734.30	-508.26	2,016.24	1,956.37	59.87	33.680		
8,400.00	7,875.00	7,962.92	7,731.45	31.43	39.32	84.47	1,736.13	-520.28	2,041.61	1,980.74	60.87	33.542		
8,500.00	7,875.00	7,933.00	7,708.13	33.31	39.34	83.80	1,739.69	-538.68	2,071.08	2,009.15	61.93	33.444		
8,600.00	7,875.00	7,933.00	7,708.13	35.29	39.34	83.80	1,739.69	-538.68	2,104.15	2,041.12	63.04	33.381		
8,700.00	7,875.00	7,906.24	7,686.62	37.37	39.34	83.19	1,743.30	-554.18	2,140.92	2,076.77	64.15	33.373 SF		
8,800.00	7,875.00	7,887.32	7,671.00	39.52	39.34	82.75	1,745.95	-564.53	2,181.16	2,115.89	65.27	33.417		
8,900.00	7,875.00	7,844.00	7,634.06	41.73	39.34	81.72	1,752.28	-586.22	2,225.22	2,158.88	66.34	33.544		
9,000.00	7,875.00	7,844.00	7,634.06	44.00	39.34	81.72	1,752.28	-586.22	2,271.61	2,204.15	67.45	33.678		
9,100.00	7,875.00	7,835.65	7,626.77	46.32	39.33	81.52	1,753.51	-590.10	2,321.35	2,252.83	68.52	33.878		
9,200.00	7,875.00	7,806.20	7,600.72	48.67	39.32	80.80	1,757.64	-603.22	2,373.84	2,304.33	69.52	34.148		
9,300.00	7,875.00	7,780.29	7,577.42	51.05	39.30	80.16	1,760.94	-614.04	2,428.82	2,358.35	70.47	34.465		
9,400.00	7,875.00	7,755.00	7,554.34	53.47	39.29	79.53	1,763.87	-623.95	2,486.22	2,414.83	71.39	34.828		
9,500.00	7,875.00	7,755.00	7,554.34	55.91	39.29	79.53	1,763.87	-623.95	2,546.04	2,473.71	72.33	35.198		
9,600.00	7,875.00	7,755.00	7,554.34	58.37	39.29	79.53	1,763.87	-623.95	2,608.33	2,535.09	73.24	35.613		
9,700.00	7,875.00	7,722.59	7,524.29	60.85	39.26	78.71	1,767.43	-635.56	2,672.24	2,598.24	74.00	36.111		
9,800.00	7,875.00	7,712.98	7,515.29	63.35	39.25	78.46	1,768.48	-638.74	2,738.47	2,663.68	74.79	36.613		
9,900.00	7,875.00	7,704.05	7,506.88	65.86	39.24	78.24	1,769.45	-641.59	2,806.61	2,731.05	75.55	37.149		
10,000.00	7,875.00	7,666.00	7,470.68	68.39	39.21	77.27	1,773.56	-652.57	2,877.08	2,800.93	76.16	37.779		
10,100.00	7,875.00	7,666.00	7,470.68	70.93	39.21	77.27	1,773.56	-652.57	2,948.38	2,871.51	76.87	38.354		
10,200.00	7,875.00	7,666.00	7,470.68	73.48	39.21	77.27	1,773.56	-652.57	3,021.30	2,943.75	77.55	38.960		
10,300.00	7,875.00	7,666.00	7,470.68	76.04	39.21	77.27	1,773.56	-652.57	3,095.73	3,017.54	78.19	39.592		
10,400.00	7,875.00	7,666.00	7,470.68	78.61	39.21	77.27	1,773.56	-652.57	3,171.57	3,092.78	78.80	40.250		
10,500.00	7,875.00	7,666.00	7,470.68	81.19	39.21	77.27	1,773.56	-652.57	3,248.72	3,169.35	79.37	40.932		
10,600.00	7,875.00	7,666.00	7,470.68	83.77	39.21	77.27	1,773.56	-652.57	3,327.09	3,247.18	79.91	41.635		
10,700.00	7,875.00	7,666.00	7,470.68	86.36	39.21	77.27	1,773.56	-652.57	3,406.59	3,326.16	80.42	42.358		
10,800.00	7,875.00	7,666.00	7,470.68	88.96	39.21	77.27	1,773.56	-652.57	3,487.14	3,406.23	80.91	43.100		
10,900.00	7,875.00	7,666.00	7,470.68	91.56	39.21	77.27	1,773.56	-652.57	3,568.68	3,487.31	81.37	43.860		
11,000.00	7,875.00	7,666.00	7,470.68	94.17	39.21	77.27	1,773.56	-652.57	3,651.13	3,569.33	81.80	44.636		
11,100.00	7,875.00	7,666.00	7,470.68	96.78	39.21	77.27	1,773.56	-652.57	3,734.45	3,652.24	82.21	45.426		
11,200.00	7,875.00	7,666.00	7,470.68	99.39	39.21	77.27	1,773.56	-652.57	3,818.56	3,735.96	82.60	46.231		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXISTING HZ SUNSET 4-65 21-22 2BH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 24-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
11,300.00	7,875.00	7,666.00	7,470.68	102.01	39.21	77.27	1,773.56	-652.57	3,903.42	3,820.46	82.97	47.048		
11,400.00	7,875.00	7,666.00	7,470.68	104.64	39.21	77.27	1,773.56	-652.57	3,988.99	3,905.67	83.32	47.878		
11,500.00	7,875.00	7,666.00	7,470.68	107.26	39.21	77.27	1,773.56	-652.57	4,075.21	3,991.56	83.65	48.718		
11,600.00	7,875.00	7,626.54	7,432.65	109.89	39.13	76.26	1,778.46	-661.88	4,160.58	4,076.70	83.88	49.601		
11,700.00	7,875.00	7,623.92	7,430.12	112.52	39.12	76.20	1,778.83	-662.42	4,247.81	4,163.63	84.18	50.461		
11,800.00	7,875.00	7,621.40	7,427.68	115.16	39.12	76.13	1,779.20	-662.93	4,335.57	4,251.10	84.46	51.330		
11,900.00	7,875.00	7,618.96	7,425.32	117.80	39.11	76.07	1,779.55	-663.42	4,423.84	4,339.10	84.74	52.207		
12,000.00	7,875.00	7,616.61	7,423.04	120.44	39.11	76.01	1,779.90	-663.88	4,512.59	4,427.59	85.00	53.091		
12,100.00	7,875.00	7,577.00	7,384.55	123.08	39.03	75.03	1,786.47	-670.48	4,603.08	4,517.89	85.19	54.035		
12,200.00	7,875.00	7,577.00	7,384.55	125.73	39.03	75.03	1,786.47	-670.48	4,692.56	4,607.12	85.43	54.928		
12,300.00	7,875.00	7,577.00	7,384.55	128.37	39.03	75.03	1,786.47	-670.48	4,782.45	4,696.78	85.67	55.827		
12,400.00	7,875.00	7,577.00	7,384.55	131.02	39.03	75.03	1,786.47	-670.48	4,872.74	4,786.85	85.89	56.732		
12,500.00	7,875.00	7,577.00	7,384.55	133.67	39.03	75.03	1,786.47	-670.48	4,963.39	4,877.29	86.10	57.644		
12,600.00	7,875.00	7,577.00	7,384.55	136.32	39.03	75.03	1,786.47	-670.48	5,054.41	4,968.10	86.31	58.561		
12,700.00	7,875.00	7,577.00	7,384.55	138.97	39.03	75.03	1,786.47	-670.48	5,145.75	5,059.24	86.51	59.483		
12,800.00	7,875.00	7,577.00	7,384.55	141.63	39.03	75.03	1,786.47	-670.48	5,237.41	5,150.71	86.70	60.410		
12,900.00	7,875.00	7,577.00	7,384.55	144.28	39.03	75.03	1,786.47	-670.48	5,329.37	5,242.49	86.88	61.341		
13,000.00	7,875.00	7,577.00	7,384.55	146.94	39.03	75.03	1,786.47	-670.48	5,421.62	5,334.56	87.06	62.277		
13,100.00	7,875.00	7,577.00	7,384.55	149.60	39.03	75.03	1,786.47	-670.48	5,514.14	5,426.91	87.23	63.216		
13,200.00	7,875.00	7,577.00	7,384.55	152.26	39.03	75.03	1,786.47	-670.48	5,606.91	5,519.52	87.39	64.160		
13,300.00	7,875.00	7,577.00	7,384.55	154.92	39.03	75.03	1,786.47	-670.48	5,699.93	5,612.38	87.55	65.106		
13,400.00	7,875.00	7,577.00	7,384.55	157.58	39.03	75.03	1,786.47	-670.48	5,793.18	5,705.48	87.70	66.056		
13,500.00	7,875.00	7,577.00	7,384.55	160.24	39.03	75.03	1,786.47	-670.48	5,886.65	5,798.80	87.85	67.009		
13,600.00	7,875.00	7,577.00	7,384.55	162.91	39.03	75.03	1,786.47	-670.48	5,980.33	5,892.34	87.99	67.965		
13,700.00	7,875.00	7,577.00	7,384.55	165.57	39.03	75.03	1,786.47	-670.48	6,074.22	5,986.09	88.13	68.923		
13,800.00	7,875.00	7,577.00	7,384.55	168.24	39.03	75.03	1,786.47	-670.48	6,168.29	6,080.03	88.26	69.884		
13,900.00	7,875.00	7,577.00	7,384.55	170.90	39.03	75.03	1,786.47	-670.48	6,262.55	6,174.16	88.40	70.847		
14,000.00	7,875.00	7,577.00	7,384.55	173.57	39.03	75.03	1,786.47	-670.48	6,356.99	6,268.47	88.52	71.812		
14,100.00	7,875.00	7,577.00	7,384.55	176.24	39.03	75.03	1,786.47	-670.48	6,451.59	6,362.95	88.65	72.780		
14,200.00	7,875.00	7,577.00	7,384.55	178.90	39.03	75.03	1,786.47	-670.48	6,546.35	6,457.59	88.77	73.748		
14,300.00	7,875.00	7,577.00	7,384.55	181.57	39.03	75.03	1,786.47	-670.48	6,641.27	6,552.39	88.88	74.719		
14,400.00	7,875.00	7,577.00	7,384.55	184.24	39.03	75.03	1,786.47	-670.48	6,736.34	6,647.34	89.00	75.691		
14,500.00	7,875.00	7,577.00	7,384.55	186.91	39.03	75.03	1,786.47	-670.48	6,831.54	6,742.43	89.11	76.665		
14,600.00	7,875.00	7,577.00	7,384.55	189.58	39.03	75.03	1,786.47	-670.48	6,926.88	6,837.66	89.22	77.639		
14,700.00	7,875.00	7,577.00	7,384.55	192.26	39.03	75.03	1,786.47	-670.48	7,022.35	6,933.03	89.33	78.615		
14,800.00	7,875.00	7,577.00	7,384.55	194.93	39.03	75.03	1,786.47	-670.48	7,117.95	7,028.52	89.43	79.592		
14,900.00	7,875.00	7,577.00	7,384.55	197.60	39.03	75.03	1,786.47	-670.48	7,213.66	7,124.13	89.53	80.570		
15,000.00	7,875.00	7,577.00	7,384.55	200.27	39.03	75.03	1,786.47	-670.48	7,309.49	7,219.86	89.63	81.549		
15,100.00	7,875.00	7,577.00	7,384.55	202.95	39.03	75.03	1,786.47	-670.48	7,405.43	7,315.70	89.73	82.529		
15,200.00	7,875.00	7,577.00	7,384.55	205.62	39.03	75.03	1,786.47	-670.48	7,501.47	7,411.64	89.83	83.509		
15,300.00	7,875.00	7,577.00	7,384.55	208.29	39.03	75.03	1,786.47	-670.48	7,597.62	7,507.70	89.92	84.490		
15,400.00	7,875.00	7,577.00	7,384.55	210.97	39.03	75.03	1,786.47	-670.48	7,693.87	7,603.85	90.02	85.471		
15,500.00	7,875.00	7,577.00	7,384.55	213.64	39.03	75.03	1,786.47	-670.48	7,790.21	7,700.10	90.11	86.453		
15,600.00	7,875.00	7,577.00	7,384.55	216.32	39.03	75.03	1,786.47	-670.48	7,886.64	7,796.44	90.20	87.436		
15,700.00	7,875.00	7,577.00	7,384.55	218.99	39.03	75.03	1,786.47	-670.48	7,983.16	7,892.87	90.29	88.418		
15,800.00	7,875.00	7,577.00	7,384.55	221.67	39.03	75.03	1,786.47	-670.48	8,079.76	7,989.38	90.38	89.401		
15,900.00	7,875.00	7,577.00	7,384.55	224.35	39.03	75.03	1,786.47	-670.48	8,176.44	8,085.98	90.46	90.384		
16,000.00	7,875.00	7,577.00	7,384.55	227.02	39.03	75.03	1,786.47	-670.48	8,273.21	8,182.66	90.55	91.367		
16,100.00	7,875.00	7,577.00	7,384.55	229.70	39.03	75.03	1,786.47	-670.48	8,370.05	8,279.41	90.63	92.350		
16,200.00	7,875.00	7,577.00	7,384.55	232.38	39.03	75.03	1,786.47	-670.48	8,466.96	8,376.24	90.72	93.333		
16,300.00	7,875.00	7,577.00	7,384.55	235.06	39.03	75.03	1,786.47	-670.48	8,563.95	8,473.15	90.80	94.316		
16,400.00	7,875.00	7,577.00	7,384.55	237.73	39.03	75.03	1,786.47	-670.48	8,661.00	8,570.12	90.88	95.299		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - EXISTING HZ SUNSET 4-65 21-22 2BH - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 24-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
16,500.00	7,875.00	7,577.00	7,384.55	240.41	39.03	75.03	1,786.47	-670.48	8,758.12	8,667.15	90.96	96.281	
16,600.00	7,875.00	7,577.00	7,384.55	243.09	39.03	75.03	1,786.47	-670.48	8,855.30	8,764.26	91.04	97.264	
16,700.00	7,875.00	7,577.00	7,384.55	245.77	39.03	75.03	1,786.47	-670.48	8,952.55	8,861.42	91.12	98.246	
16,800.00	7,875.00	7,577.00	7,384.55	248.45	39.03	75.03	1,786.47	-670.48	9,049.85	8,958.65	91.20	99.228	
16,900.00	7,875.00	7,577.00	7,384.55	251.13	39.03	75.03	1,786.47	-670.48	9,147.22	9,055.94	91.28	100.209	
17,000.00	7,875.00	7,577.00	7,384.55	253.81	39.03	75.03	1,786.47	-670.48	9,244.64	9,153.28	91.36	101.190	
17,100.00	7,875.00	7,577.00	7,384.55	256.49	39.03	75.03	1,786.47	-670.48	9,342.11	9,250.67	91.44	102.171	
17,200.00	7,875.00	7,577.00	7,384.55	259.17	39.03	75.03	1,786.47	-670.48	9,439.64	9,348.13	91.51	103.151	
17,300.00	7,875.00	7,577.00	7,384.55	261.85	39.03	75.03	1,786.47	-670.48	9,537.22	9,445.63	91.59	104.130	
17,400.00	7,875.00	7,577.00	7,384.55	264.53	39.03	75.03	1,786.47	-670.48	9,634.85	9,543.18	91.67	105.109	
17,500.00	7,875.00	7,577.00	7,384.55	267.21	39.03	75.03	1,786.47	-670.48	9,732.52	9,640.78	91.74	106.087	
17,600.00	7,875.00	7,577.00	7,384.55	269.89	39.03	75.03	1,786.47	-670.48	9,830.24	9,738.43	91.82	107.065	
17,700.00	7,875.00	7,577.00	7,384.55	272.57	39.03	75.03	1,786.47	-670.48	9,928.01	9,836.12	91.89	108.042	

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													SEC 21-T4S-R65W - GRANDE 4-65 20-19 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	51.16	51.16	0.00	0.09	6.13	3,108.06	333.73	3,125.95							
29.38	29.38	60.08	60.08	0.01	0.12	130.86	3,108.04	333.73	3,125.96	3,125.82	0.14	N/A				
59.94	59.94	86.18	86.18	0.12	0.21	108.89	3,108.07	333.74	3,126.07	3,125.74	0.33	9,447.907				
90.50	90.50	103.49	103.49	0.23	0.27	140.21	3,108.19	333.75	3,126.39	3,125.89	0.50	6,235.375				
121.06	121.06	121.06	138.50	0.34	0.33	143.02	3,108.49	333.90	3,126.93	3,126.25	0.67	4,658.740				
151.62	151.62	206.54	206.54	0.45	0.63	108.74	3,108.48	334.21	3,127.12	3,126.04	1.08	2,901.913				
170.23	170.23	226.56	226.55	0.51	0.70	114.60	3,108.38	334.16	3,127.11	3,125.89	1.21	2,574.459				
212.74	212.73	278.85	278.84	0.67	0.89	129.07	3,108.10	333.88	3,127.13	3,125.58	1.55	2,015.657				
273.86	273.84	345.62	345.60	0.89	1.12	112.73	3,107.43	333.54	3,126.93	3,124.92	2.01	1,557.263				
292.76	292.74	359.40	359.39	0.95	1.17	114.44	3,107.31	333.44	3,126.90	3,124.77	2.12	1,471.592				
316.51	316.48	371.78	371.77	1.04	1.22	116.10	3,107.23	333.35	3,126.95	3,124.69	2.25	1,387.115				
359.16	359.12	391.00	390.99	1.19	1.28	120.38	3,107.20	333.21	3,127.46	3,124.98	2.48	1,263.444				
401.81	401.74	414.48	414.46	1.35	1.36	123.82	3,107.42	333.07	3,128.64	3,125.93	2.71	1,153.657				
444.46	444.34	414.48	414.46	1.51	1.36	119.73	3,107.42	333.07	3,130.37	3,127.51	2.87	1,091.227				
487.11	486.92	439.46	439.43	1.66	1.45	119.70	3,107.97	332.97	3,132.53	3,129.42	3.11	1,007.275				
529.76	529.49	457.18	457.15	1.82	1.51	118.27	3,108.56	332.94	3,135.21	3,131.89	3.33	942.454				
572.41	572.04	476.98	476.93	1.98	1.58	118.96	3,109.36	332.94	3,138.28	3,134.73	3.55	883.704				
615.06	614.59	499.88	499.81	2.14	1.66	115.95	3,110.42	333.04	3,141.60	3,137.81	3.79	829.790				
657.71	657.13	525.99	525.88	2.30	1.75	115.60	3,111.76	333.21	3,145.16	3,141.13	4.03	779.864				
700.36	699.68	558.99	558.83	2.46	1.87	119.07	3,113.62	333.47	3,148.95	3,144.65	4.30	731.632				
743.01	742.23	601.96	601.72	2.61	2.01	120.07	3,116.07	333.76	3,152.78	3,148.17	4.61	683.887				
785.66	784.78	627.98	627.70	2.77	2.11	124.50	3,117.56	333.92	3,156.87	3,152.01	4.86	649.791				
828.31	827.31	657.90	657.57	2.94	2.21	125.68	3,119.40	334.09	3,161.36	3,156.24	5.12	617.351				
870.96	869.88	682.25	681.86	3.09	2.30	126.07	3,121.10	334.22	3,165.89	3,160.53	5.36	590.617				
913.61	912.48	713.38	712.90	3.25	2.41	132.74	3,123.43	334.28	3,170.33	3,164.71	5.62	563.901				
956.26	955.09	732.15	731.61	3.41	2.48	135.12	3,124.95	334.28	3,175.06	3,169.22	5.84	543.631				
998.91	997.69	756.08	755.45	3.56	2.57	135.41	3,127.03	334.31	3,180.16	3,174.08	6.08	523.308				
1,041.56	1,040.31	1,062.89	1,061.74	3.72	3.67	135.73	3,142.25	332.60	3,183.78	3,176.44	7.33	434.080				
1,084.21	1,082.93	1,149.52	1,148.37	3.87	3.97	138.92	3,142.11	332.30	3,184.63	3,176.84	7.79	408.987				
1,126.86	1,125.57	1,188.22	1,187.06	4.03	4.10	134.98	3,141.85	332.08	3,185.25	3,177.18	8.07	394.588				
1,169.51	1,168.19	1,235.54	1,234.38	4.18	4.27	139.21	3,141.58	331.73	3,186.00	3,177.61	8.39	379.788				
1,212.16	1,210.82	1,308.53	1,307.36	4.34	4.52	147.13	3,140.60	331.25	3,186.46	3,177.67	8.79	362.450				
1,254.81	1,253.45	1,350.97	1,349.80	4.49	4.66	159.23	3,139.88	330.93	3,186.80	3,177.71	9.09	350.618				
1,297.46	1,296.09	1,403.86	1,402.68	4.64	4.84	157.93	3,138.92	330.46	3,187.01	3,177.59	9.42	338.249				
1,340.11	1,338.72	1,447.72	1,446.52	4.79	4.99	162.37	3,138.07	330.08	3,187.17	3,177.45	9.72	327.740				
1,382.76	1,381.36	1,505.26	1,504.05	4.95	5.19	150.11	3,136.77	329.44	3,187.27	3,177.20	10.08	316.352				
1,425.41	1,423.99	1,553.66	1,552.42	5.10	5.36	135.04	3,135.53	328.78	3,187.09	3,176.69	10.40	306.568				
1,468.06	1,466.62	1,586.28	1,585.03	5.26	5.47	129.80	3,134.70	328.36	3,186.85	3,176.19	10.66	298.838				
1,486.39	1,484.94	1,598.04	1,596.79	5.32	5.51	131.36	3,134.43	328.25	3,186.83	3,176.05	10.77	295.852				
1,510.71	1,509.24	1,610.08	1,608.83	5.41	5.56	133.48	3,134.18	328.17	3,186.87	3,175.97	10.90	292.317				
1,553.36	1,551.88	1,637.97	1,636.71	5.56	5.65	152.68	3,133.71	328.08	3,187.01	3,175.85	11.15	285.771				
1,596.01	1,594.52	1,670.46	1,669.20	5.72	5.77	148.86	3,133.33	328.13	3,187.24	3,175.83	11.42	279.162				
1,638.66	1,637.16	1,715.80	1,714.53	5.87	5.92	141.83	3,132.81	328.27	3,187.37	3,175.64	11.73	271.815				
1,665.22	1,663.73	1,744.90	1,743.63	5.96	6.02	152.13	3,132.44	328.45	3,187.35	3,175.43	11.92	267.364				
1,681.31	1,679.81	1,757.64	1,756.37	6.02	6.07	158.35	3,132.28	328.52	3,187.36	3,175.34	12.02	265.109				
1,723.96	1,722.45	1,801.26	1,799.99	6.17	6.22	147.40	3,131.77	328.74	3,187.51	3,175.19	12.33	258.604				
1,766.61	1,765.10	1,859.92	1,858.65	6.33	6.42	151.78	3,130.92	328.98	3,187.56	3,174.88	12.68	251.353				
1,809.26	1,807.74	1,905.92	1,904.63	6.48	6.58	149.58	3,130.08	329.18	3,187.39	3,174.40	12.99	245.300				
1,851.91	1,850.39	1,952.43	1,951.13	6.63	6.75	138.08	3,129.20	329.43	3,187.23	3,173.92	13.31	239.488				
1,894.56	1,893.03	2,002.48	2,001.17	6.78	6.92	135.54	3,128.14	329.74	3,186.97	3,173.33	13.64	233.719				
1,937.21	1,935.67	2,042.58	2,041.27	6.94	7.06	134.43	3,127.28	329.96	3,186.58	3,172.66	13.93	228.770				
1,979.86	1,978.32	2,083.13	2,081.80	7.09	7.20	133.61	3,126.42	330.24	3,186.17	3,171.94	14.22	223.999				

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 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		
2,022.51	2,020.96	2,119.72	2,118.39	7.24	7.33	145.09	3,125.70	330.48	3,185.87	3,171.36	14.51	219.638		
2,065.16	2,063.61	2,160.63	2,159.28	7.40	7.48	143.11	3,124.95	330.69	3,185.69	3,170.89	14.80	215.231		
2,107.81	2,106.25	2,203.12	2,201.77	7.55	7.63	163.21	3,124.18	330.89	3,185.57	3,170.47	15.10	210.931		
2,126.70	2,125.14	2,222.01	2,220.65	7.62	7.69	163.16	3,123.84	330.98	3,185.55	3,170.32	15.24	209.083		
2,150.46	2,148.89	2,236.03	2,234.68	7.70	7.74	163.10	3,123.61	331.02	3,185.58	3,170.21	15.37	207.263		
2,205.46	2,203.89	2,270.12	2,268.76	7.80	7.86	163.10	3,123.25	330.88	3,185.90	3,170.31	15.59	204.379		
2,300.00	2,298.37	2,328.68	2,327.31	7.82	8.07	132.24	3,123.25	329.93	3,187.99	3,172.18	15.81	201.676		
2,340.72	2,339.03	2,353.88	2,352.50	7.83	8.15	128.54	3,123.48	329.24	3,189.65	3,173.74	15.91	200.513		
2,400.00	2,398.21	2,400.00	2,398.59	7.86	8.32	128.55	3,124.29	327.55	3,192.62	3,176.53	16.09	198.403		
2,500.00	2,498.02	2,452.36	2,450.86	7.92	8.50	128.54	3,125.79	324.94	3,198.52	3,182.20	16.32	195.949		
2,600.00	2,597.84	2,514.03	2,512.35	7.99	8.71	128.52	3,128.35	320.93	3,205.63	3,189.03	16.60	193.070		
2,700.00	2,697.65	2,575.53	2,573.54	8.09	8.93	128.47	3,131.76	315.93	3,213.93	3,197.03	16.90	190.190		
2,800.00	2,797.47	2,636.79	2,634.36	8.20	9.15	128.41	3,136.01	309.97	3,223.41	3,206.20	17.21	187.316		
2,900.00	2,897.29	2,700.00	2,696.94	8.32	9.37	128.33	3,141.27	302.77	3,234.08	3,216.54	17.54	184.382		
3,000.00	2,997.10	2,776.23	2,772.18	8.46	9.65	128.20	3,148.58	292.99	3,245.82	3,227.88	17.94	180.922		
3,100.00	3,096.92	2,875.08	2,869.73	8.61	10.02	128.04	3,158.19	280.14	3,257.75	3,239.30	18.45	176.573		
3,200.00	3,196.73	2,973.94	2,967.27	8.78	10.40	127.88	3,167.79	267.29	3,269.70	3,250.72	18.98	172.296		
3,300.00	3,296.55	3,072.79	3,064.82	8.96	10.78	127.71	3,177.40	254.44	3,281.68	3,262.16	19.52	168.107		
3,400.00	3,396.37	3,171.65	3,162.36	9.15	11.16	127.56	3,187.01	241.59	3,293.69	3,273.61	20.08	164.018		
3,500.00	3,496.18	3,270.50	3,259.91	9.35	11.55	127.40	3,196.61	228.74	3,305.72	3,285.07	20.66	160.040		
3,600.00	3,596.00	3,369.36	3,357.45	9.56	11.95	127.24	3,206.22	215.89	3,317.78	3,296.53	21.24	156.179		
3,700.00	3,695.81	3,468.21	3,455.00	9.78	12.34	127.08	3,215.83	203.05	3,329.86	3,308.02	21.84	152.440		
3,800.00	3,795.63	3,567.07	3,552.54	10.01	12.74	126.93	3,225.43	190.20	3,341.97	3,319.51	22.46	148.825		
3,900.00	3,895.45	3,665.93	3,650.09	10.25	13.15	126.77	3,235.04	177.35	3,354.10	3,331.02	23.08	145.335		
4,000.00	3,995.26	3,764.78	3,747.63	10.50	13.55	126.62	3,244.65	164.50	3,366.25	3,342.54	23.71	141.971		
4,100.00	4,095.08	3,863.64	3,845.18	10.76	13.96	126.47	3,254.26	151.65	3,378.43	3,354.07	24.35	138.729		
4,200.00	4,194.89	3,962.49	3,942.72	11.02	14.37	126.32	3,263.86	138.80	3,390.63	3,365.62	25.00	135.609		
4,300.00	4,294.71	4,061.35	4,040.27	11.28	14.78	126.17	3,273.47	125.95	3,402.85	3,377.19	25.66	132.607		
4,400.00	4,394.53	4,160.20	4,137.81	11.56	15.20	126.02	3,283.08	113.11	3,415.10	3,388.77	26.33	129.720		
4,500.00	4,494.34	4,259.06	4,235.36	11.84	15.61	125.87	3,292.68	100.26	3,427.37	3,400.37	27.00	126.944		
4,600.00	4,594.16	4,357.91	4,332.90	12.12	16.03	125.73	3,302.29	87.41	3,439.66	3,411.98	27.68	124.275		
4,700.00	4,693.97	4,456.77	4,430.45	12.41	16.45	125.58	3,311.90	74.56	3,451.98	3,423.61	28.36	121.710		
4,800.00	4,793.79	4,555.62	4,527.99	12.70	16.87	125.44	3,321.51	61.71	3,464.31	3,435.26	29.05	119.245		
4,900.00	4,893.61	4,654.48	4,625.54	13.00	17.29	125.29	3,331.11	48.86	3,476.67	3,446.92	29.75	116.875		
5,000.00	4,993.42	4,753.33	4,723.08	13.30	17.71	125.15	3,340.72	36.01	3,489.05	3,458.60	30.45	114.596		
5,100.00	5,093.24	4,852.19	4,820.62	13.61	18.14	125.01	3,350.33	23.17	3,501.45	3,470.30	31.15	112.404		
5,200.00	5,193.06	4,951.05	4,918.17	13.92	18.56	124.87	3,359.93	10.32	3,513.87	3,482.01	31.86	110.296		
5,300.00	5,292.87	5,049.90	5,015.71	14.23	18.99	124.73	3,369.54	-2.53	3,526.31	3,493.74	32.57	108.268		
5,400.00	5,392.69	5,148.76	5,113.26	14.54	19.41	124.59	3,379.15	-15.38	3,538.78	3,505.49	33.29	106.316		
5,500.00	5,492.50	5,247.61	5,210.80	14.86	19.84	124.45	3,388.75	-28.23	3,551.26	3,517.26	34.00	104.436		
5,600.00	5,592.32	5,346.47	5,308.35	15.18	20.27	124.32	3,398.36	-41.08	3,563.76	3,529.04	34.73	102.626		
5,700.00	5,692.14	5,445.32	5,405.89	15.50	20.70	124.18	3,407.97	-53.93	3,576.29	3,540.84	35.45	100.882		
5,800.00	5,791.95	5,544.18	5,503.44	15.83	21.12	124.05	3,417.58	-66.77	3,588.83	3,552.65	36.18	99.201		
5,900.00	5,891.77	5,643.03	5,600.98	16.16	21.55	123.91	3,427.18	-79.62	3,601.39	3,564.49	36.91	97.580		
6,000.00	5,991.58	5,741.89	5,698.53	16.48	21.98	123.78	3,436.79	-92.47	3,613.97	3,576.34	37.64	96.016		
6,100.00	6,091.40	5,840.74	5,796.07	16.81	22.42	123.65	3,446.40	-105.32	3,626.58	3,588.20	38.37	94.508		
6,200.00	6,191.22	5,939.60	5,893.62	17.15	22.85	123.52	3,456.00	-118.17	3,639.20	3,600.09	39.11	93.051		
6,300.00	6,291.03	6,038.45	5,991.16	17.48	23.28	123.39	3,465.61	-131.02	3,651.83	3,611.99	39.85	91.644		
6,400.00	6,390.85	6,137.31	6,088.71	17.82	23.71	123.26	3,475.22	-143.87	3,664.49	3,623.90	40.59	90.285		
6,500.00	6,490.66	6,236.17	6,186.25	18.15	24.14	123.13	3,484.82	-156.71	3,677.17	3,635.84	41.33	88.972		
6,600.00	6,590.48	6,335.02	6,283.80	18.49	24.58	123.00	3,494.43	-169.56	3,689.86	3,647.79	42.07	87.701		
6,700.00	6,690.30	6,433.88	6,381.34	18.83	25.01	122.88	3,504.04	-182.41	3,702.57	3,659.75	42.82	86.473		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 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		
6,800.00	6,790.11	6,532.73	6,478.89	19.17	25.44	122.75	3,513.65	-195.26	3,715.30	3,671.74	43.56	85.283		
6,900.00	6,889.93	6,631.59	6,576.43	19.52	25.88	122.62	3,523.25	-208.11	3,728.05	3,683.74	44.31	84.132		
7,000.00	6,989.74	6,730.44	6,673.98	19.86	26.31	122.50	3,532.86	-220.96	3,740.81	3,695.75	45.06	83.017		
7,100.00	7,089.56	6,829.30	6,771.52	20.21	26.75	122.38	3,542.47	-233.81	3,753.59	3,707.78	45.81	81.937		
7,200.00	7,189.38	6,928.15	6,869.07	20.55	27.18	122.26	3,552.07	-246.65	3,766.39	3,719.83	46.56	80.890		
7,300.00	7,289.19	7,027.01	6,966.61	20.90	27.62	122.13	3,561.68	-259.50	3,779.21	3,731.89	47.31	79.875		
7,342.81	7,331.92	7,069.33	7,008.37	21.05	27.81	122.08	3,565.79	-265.00	3,784.70	3,737.06	47.64	79.450		
7,350.00	7,339.10	7,076.44	7,015.39	21.07	27.84	116.72	3,566.48	-265.93	3,785.62	3,737.93	47.69	79.378		
7,400.00	7,388.77	7,126.00	7,064.29	21.26	28.06	101.60	3,571.30	-272.37	3,792.05	3,743.97	48.08	78.870		
7,450.00	7,437.78	7,175.46	7,113.10	21.46	28.27	96.77	3,576.11	-278.80	3,798.46	3,749.97	48.49	78.340		
7,500.00	7,485.76	7,224.47	7,161.46	21.68	28.49	94.25	3,580.87	-285.17	3,804.80	3,755.89	48.91	77.792		
7,550.00	7,532.34	7,272.64	7,208.99	21.91	28.70	92.65	3,585.55	-291.43	3,811.07	3,761.72	49.35	77.227		
7,600.00	7,577.17	7,319.60	7,255.33	22.16	28.91	91.52	3,590.12	-297.53	3,817.25	3,767.44	49.80	76.646		
7,650.00	7,619.91	7,365.01	7,300.13	22.44	29.11	90.67	3,594.53	-303.43	3,823.34	3,773.06	50.28	76.047		
7,700.00	7,660.24	7,408.51	7,343.06	22.74	29.30	90.02	3,598.76	-309.09	3,829.36	3,778.59	50.77	75.429		
7,750.00	7,697.84	7,451.76	7,385.72	23.07	29.49	89.50	3,602.96	-314.75	3,835.33	3,784.04	51.29	74.774		
7,800.00	7,732.43	7,510.85	7,443.40	23.43	29.78	89.21	3,608.64	-326.14	3,841.17	3,789.21	51.96	73.928		
7,850.00	7,763.75	7,575.51	7,504.81	23.84	30.14	89.03	3,614.68	-345.36	3,846.74	3,794.00	52.74	72.937		
7,900.00	7,791.55	7,646.92	7,569.64	24.29	30.58	88.94	3,621.07	-374.50	3,851.99	3,798.32	53.66	71.785		
7,950.00	7,815.64	7,726.39	7,636.90	24.79	31.15	88.94	3,627.69	-416.17	3,856.79	3,802.03	54.76	70.430		
8,000.00	7,835.81	7,815.17	7,704.46	25.35	31.87	89.02	3,634.33	-473.25	3,861.05	3,804.98	56.07	68.858		
8,050.00	7,851.93	7,914.13	7,768.41	25.96	32.80	89.15	3,640.62	-548.35	3,864.62	3,806.97	57.65	67.032		
8,100.00	7,863.86	8,023.15	7,822.83	26.62	33.99	89.29	3,645.96	-642.48	3,867.36	3,807.80	59.55	64.940		
8,150.00	7,871.52	8,140.48	7,860.46	27.33	35.48	89.39	3,649.65	-753.33	3,869.12	3,807.34	61.78	62.626		
8,200.00	7,874.85	8,262.43	7,874.95	28.07	37.20	89.41	3,651.06	-874.18	3,869.80	3,805.53	64.27	60.209		
8,213.19	7,875.00	8,280.20	7,875.00	28.27	37.46	89.40	3,651.07	-891.95	3,869.81	3,805.07	64.75	59.770		
8,300.00	7,875.00	8,367.01	7,875.00	29.67	38.81	89.40	3,651.05	-978.76	3,869.84	3,802.29	67.55	57.285		
8,400.00	7,875.00	8,467.01	7,875.00	31.43	40.46	89.40	3,651.04	-1,078.76	3,869.88	3,798.85	71.02	54.487		
8,500.00	7,875.00	8,567.01	7,875.00	33.31	42.22	89.40	3,651.02	-1,178.76	3,869.91	3,795.19	74.72	51.790		
8,600.00	7,875.00	8,667.01	7,875.00	35.29	44.08	89.40	3,651.00	-1,278.76	3,869.95	3,791.33	78.62	49.225		
8,700.00	7,875.00	8,767.01	7,875.00	37.37	46.01	89.40	3,650.99	-1,378.76	3,869.98	3,787.30	82.68	46.807		
8,800.00	7,875.00	8,867.01	7,875.00	39.52	48.03	89.40	3,650.97	-1,478.76	3,870.01	3,783.13	86.89	44.542		
8,900.00	7,875.00	8,967.01	7,875.00	41.73	50.10	89.40	3,650.96	-1,578.76	3,870.05	3,778.83	91.21	42.428		
9,000.00	7,875.00	9,067.01	7,875.00	44.00	52.24	89.40	3,650.94	-1,678.76	3,870.08	3,774.43	95.65	40.460		
9,100.00	7,875.00	9,167.01	7,875.00	46.32	54.42	89.40	3,650.92	-1,778.76	3,870.12	3,769.94	100.18	38.632		
9,200.00	7,875.00	9,267.01	7,875.00	48.67	56.65	89.40	3,650.91	-1,878.76	3,870.15	3,765.36	104.79	36.933		
9,300.00	7,875.00	9,367.01	7,875.00	51.05	58.92	89.40	3,650.89	-1,978.76	3,870.19	3,760.72	109.47	35.354		
9,400.00	7,875.00	9,467.01	7,875.00	53.47	61.22	89.40	3,650.88	-2,078.76	3,870.22	3,756.01	114.21	33.887		
9,500.00	7,875.00	9,567.01	7,875.00	55.91	63.55	89.40	3,650.86	-2,178.76	3,870.25	3,751.25	119.00	32.522		
9,600.00	7,875.00	9,667.01	7,875.00	58.37	65.91	89.40	3,650.85	-2,278.76	3,870.29	3,746.44	123.85	31.250		
9,700.00	7,875.00	9,767.01	7,875.00	60.85	68.30	89.40	3,650.83	-2,378.76	3,870.32	3,741.59	128.73	30.065		
9,800.00	7,875.00	9,867.01	7,875.00	63.35	70.70	89.40	3,650.81	-2,478.76	3,870.36	3,736.70	133.66	28.957		
9,900.00	7,875.00	9,967.01	7,875.00	65.86	73.13	89.40	3,650.80	-2,578.76	3,870.39	3,731.78	138.61	27.922		
10,000.00	7,875.00	10,067.01	7,875.00	68.39	75.58	89.40	3,650.78	-2,678.76	3,870.42	3,726.82	143.60	26.952		
10,100.00	7,875.00	10,167.01	7,875.00	70.93	78.04	89.40	3,650.77	-2,778.76	3,870.46	3,721.84	148.62	26.043		
10,200.00	7,875.00	10,267.01	7,875.00	73.48	80.51	89.40	3,650.75	-2,878.76	3,870.49	3,716.84	153.66	25.189		
10,300.00	7,875.00	10,367.01	7,875.00	76.04	83.00	89.40	3,650.73	-2,978.76	3,870.53	3,711.81	158.72	24.386		
10,400.00	7,875.00	10,467.01	7,875.00	78.61	85.51	89.40	3,650.72	-3,078.76	3,870.56	3,706.76	163.80	23.630		
10,500.00	7,875.00	10,567.01	7,875.00	81.19	88.02	89.40	3,650.70	-3,178.76	3,870.59	3,701.69	168.90	22.916		
10,600.00	7,875.00	10,667.01	7,875.00	83.77	90.54	89.40	3,650.69	-3,278.76	3,870.63	3,696.61	174.02	22.243		
10,700.00	7,875.00	10,767.01	7,875.00	86.36	93.08	89.40	3,650.67	-3,378.76	3,870.66	3,691.51	179.15	21.605		
10,800.00	7,875.00	10,867.01	7,875.00	88.96	95.62	89.40	3,650.66	-3,478.76	3,870.70	3,686.40	184.30	21.002		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 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	7,875.00	10,967.01	7,875.00	91.56	98.17	89.40	3,650.64	-3,578.76	3,870.73	3,681.27	189.46	20.430		
11,000.00	7,875.00	11,067.01	7,875.00	94.17	100.73	89.40	3,650.62	-3,678.76	3,870.77	3,676.13	194.63	19.888		
11,100.00	7,875.00	11,167.01	7,875.00	96.78	103.29	89.40	3,650.61	-3,778.76	3,870.80	3,670.99	199.81	19.372		
11,200.00	7,875.00	11,267.01	7,875.00	99.39	105.86	89.40	3,650.59	-3,878.76	3,870.83	3,665.83	205.01	18.881		
11,300.00	7,875.00	11,367.01	7,875.00	102.01	108.44	89.40	3,650.58	-3,978.76	3,870.87	3,660.66	210.21	18.414		
11,400.00	7,875.00	11,467.01	7,875.00	104.64	111.02	89.40	3,650.56	-4,078.76	3,870.90	3,655.48	215.42	17.969		
11,500.00	7,875.00	11,567.01	7,875.00	107.26	113.61	89.40	3,650.54	-4,178.76	3,870.94	3,650.29	220.64	17.544		
11,600.00	7,875.00	11,667.01	7,875.00	109.89	116.20	89.40	3,650.53	-4,278.76	3,870.97	3,645.10	225.87	17.138		
11,700.00	7,875.00	11,767.01	7,875.00	112.52	118.79	89.40	3,650.51	-4,378.76	3,871.00	3,639.90	231.10	16.750		
11,800.00	7,875.00	11,867.01	7,875.00	115.16	121.39	89.40	3,650.50	-4,478.76	3,871.04	3,634.69	236.34	16.379		
11,900.00	7,875.00	11,967.01	7,875.00	117.80	124.00	89.40	3,650.48	-4,578.76	3,871.07	3,629.48	241.59	16.023		
12,000.00	7,875.00	12,067.01	7,875.00	120.44	126.61	89.40	3,650.47	-4,678.76	3,871.11	3,624.26	246.84	15.682		
12,100.00	7,875.00	12,167.01	7,875.00	123.08	129.22	89.40	3,650.45	-4,778.76	3,871.14	3,619.04	252.10	15.356		
12,200.00	7,875.00	12,267.01	7,875.00	125.73	131.83	89.40	3,650.43	-4,878.76	3,871.17	3,613.81	257.36	15.042		
12,300.00	7,875.00	12,367.01	7,875.00	128.37	134.45	89.40	3,650.42	-4,978.76	3,871.21	3,608.58	262.63	14.740		
12,400.00	7,875.00	12,467.01	7,875.00	131.02	137.07	89.40	3,650.40	-5,078.76	3,871.24	3,603.34	267.91	14.450		
12,500.00	7,875.00	12,567.01	7,875.00	133.67	139.69	89.40	3,650.39	-5,178.76	3,871.28	3,598.09	273.18	14.171		
12,600.00	7,875.00	12,667.01	7,875.00	136.32	142.32	89.40	3,650.37	-5,278.76	3,871.31	3,592.85	278.46	13.902		
12,700.00	7,875.00	12,767.01	7,875.00	138.97	144.95	89.40	3,650.35	-5,378.76	3,871.35	3,587.60	283.75	13.644		
12,800.00	7,875.00	12,867.01	7,875.00	141.63	147.58	89.40	3,650.34	-5,478.76	3,871.38	3,582.34	289.04	13.394		
12,900.00	7,875.00	12,967.01	7,875.00	144.28	150.21	89.40	3,650.32	-5,578.76	3,871.41	3,577.09	294.33	13.153		
13,000.00	7,875.00	13,067.01	7,875.00	146.94	152.85	89.40	3,650.31	-5,678.76	3,871.45	3,571.83	299.62	12.921		
13,100.00	7,875.00	13,167.01	7,875.00	149.60	155.48	89.40	3,650.29	-5,778.76	3,871.48	3,566.56	304.92	12.697		
13,200.00	7,875.00	13,267.01	7,875.00	152.26	158.12	89.40	3,650.27	-5,878.76	3,871.52	3,561.30	310.22	12.480		
13,300.00	7,875.00	13,367.01	7,875.00	154.92	160.76	89.40	3,650.26	-5,978.76	3,871.55	3,556.03	315.52	12.270		
13,400.00	7,875.00	13,467.01	7,875.00	157.58	163.40	89.40	3,650.24	-6,078.76	3,871.58	3,550.75	320.83	12.067		
13,500.00	7,875.00	13,567.01	7,875.00	160.24	166.05	89.40	3,650.23	-6,178.76	3,871.62	3,545.48	326.14	11.871		
13,600.00	7,875.00	13,667.01	7,875.00	162.91	168.69	89.40	3,650.21	-6,278.76	3,871.65	3,540.20	331.45	11.681		
13,700.00	7,875.00	13,767.01	7,875.00	165.57	171.34	89.40	3,650.20	-6,378.76	3,871.69	3,534.92	336.76	11.497		
13,800.00	7,875.00	13,867.01	7,875.00	168.24	173.99	89.40	3,650.18	-6,478.76	3,871.72	3,529.64	342.08	11.318		
13,900.00	7,875.00	13,967.01	7,875.00	170.90	176.64	89.40	3,650.16	-6,578.76	3,871.75	3,524.36	347.40	11.145		
14,000.00	7,875.00	14,067.01	7,875.00	173.57	179.29	89.40	3,650.15	-6,678.76	3,871.79	3,519.07	352.71	10.977		
14,100.00	7,875.00	14,167.01	7,875.00	176.24	181.94	89.40	3,650.13	-6,778.76	3,871.82	3,513.79	358.04	10.814		
14,200.00	7,875.00	14,267.01	7,875.00	178.90	184.59	89.40	3,650.12	-6,878.76	3,871.86	3,508.50	363.36	10.656		
14,300.00	7,875.00	14,367.01	7,875.00	181.57	187.24	89.40	3,650.10	-6,978.76	3,871.89	3,503.21	368.68	10.502		
14,400.00	7,875.00	14,467.01	7,875.00	184.24	189.90	89.40	3,650.08	-7,078.76	3,871.92	3,497.92	374.01	10.352		
14,500.00	7,875.00	14,567.01	7,875.00	186.91	192.56	89.40	3,650.07	-7,178.76	3,871.96	3,492.62	379.34	10.207		
14,600.00	7,875.00	14,667.01	7,875.00	189.58	195.21	89.40	3,650.05	-7,278.76	3,871.99	3,487.33	384.67	10.066		
14,700.00	7,875.00	14,767.01	7,875.00	192.26	197.87	89.40	3,650.04	-7,378.76	3,872.03	3,482.03	390.00	9.928		
14,800.00	7,875.00	14,867.01	7,875.00	194.93	200.53	89.40	3,650.02	-7,478.76	3,872.06	3,476.73	395.33	9.795		
14,900.00	7,875.00	14,967.01	7,875.00	197.60	203.19	89.40	3,650.01	-7,578.76	3,872.10	3,471.43	400.66	9.664		
15,000.00	7,875.00	15,067.01	7,875.00	200.27	205.85	89.40	3,649.99	-7,678.76	3,872.13	3,466.13	406.00	9.537		
15,100.00	7,875.00	15,167.01	7,875.00	202.95	208.51	89.40	3,649.97	-7,778.76	3,872.16	3,460.83	411.33	9.414		
15,200.00	7,875.00	15,267.01	7,875.00	205.62	211.17	89.40	3,649.96	-7,878.76	3,872.20	3,455.53	416.67	9.293		
15,300.00	7,875.00	15,367.01	7,875.00	208.29	213.83	89.40	3,649.94	-7,978.76	3,872.23	3,450.22	422.01	9.176		
15,400.00	7,875.00	15,467.01	7,875.00	210.97	216.50	89.40	3,649.93	-8,078.76	3,872.27	3,444.92	427.35	9.061		
15,500.00	7,875.00	15,567.01	7,875.00	213.64	219.16	89.40	3,649.91	-8,178.76	3,872.30	3,439.61	432.69	8.949		
15,600.00	7,875.00	15,667.01	7,875.00	216.32	221.83	89.40	3,649.89	-8,278.76	3,872.33	3,434.30	438.03	8.840		
15,700.00	7,875.00	15,767.01	7,875.00	218.99	224.49	89.40	3,649.88	-8,378.76	3,872.37	3,429.00	443.37	8.734		
15,800.00	7,875.00	15,867.01	7,875.00	221.67	227.16	89.40	3,649.86	-8,478.76	3,872.40	3,423.69	448.72	8.630		
15,900.00	7,875.00	15,967.01	7,875.00	224.35	229.83	89.40	3,649.85	-8,578.76	3,872.44	3,418.38	454.06	8.528		
16,000.00	7,875.00	16,067.01	7,875.00	227.02	232.49	89.40	3,649.83	-8,678.76	3,872.47	3,413.06	459.41	8.429		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 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	7,875.00	16,167.01	7,875.00	229.70	235.16	89.40	3,649.82	-8,778.76	3,872.50	3,407.75	464.75	8.332		
16,200.00	7,875.00	16,267.01	7,875.00	232.38	237.83	89.40	3,649.80	-8,878.76	3,872.54	3,402.44	470.10	8.238		
16,300.00	7,875.00	16,367.01	7,875.00	235.06	240.50	89.40	3,649.78	-8,978.76	3,872.57	3,397.13	475.45	8.145		
16,400.00	7,875.00	16,467.01	7,875.00	237.73	243.17	89.40	3,649.77	-9,078.76	3,872.61	3,391.81	480.79	8.055		
16,500.00	7,875.00	16,567.01	7,875.00	240.41	245.84	89.40	3,649.75	-9,178.76	3,872.64	3,386.50	486.14	7.966		
16,600.00	7,875.00	16,667.01	7,875.00	243.09	248.51	89.40	3,649.74	-9,278.76	3,872.68	3,381.18	491.49	7.879		
16,700.00	7,875.00	16,767.01	7,875.00	245.77	251.18	89.40	3,649.72	-9,378.76	3,872.71	3,375.86	496.84	7.795		
16,800.00	7,875.00	16,867.01	7,875.00	248.45	253.85	89.40	3,649.70	-9,478.76	3,872.74	3,370.55	502.20	7.712		
16,900.00	7,875.00	16,967.01	7,875.00	251.13	256.52	89.40	3,649.69	-9,578.76	3,872.78	3,365.23	507.55	7.630		
17,000.00	7,875.00	17,067.01	7,875.00	253.81	259.19	89.40	3,649.67	-9,678.76	3,872.81	3,359.91	512.90	7.551		
17,100.00	7,875.00	17,167.01	7,875.00	256.49	261.86	89.40	3,649.66	-9,778.76	3,872.85	3,354.59	518.25	7.473		
17,200.00	7,875.00	17,267.01	7,875.00	259.17	264.54	89.40	3,649.64	-9,878.76	3,872.88	3,349.27	523.61	7.397		
17,300.00	7,875.00	17,367.01	7,875.00	261.85	267.21	89.40	3,649.63	-9,978.76	3,872.91	3,343.95	528.96	7.322		
17,400.00	7,875.00	17,467.01	7,875.00	264.53	269.88	89.40	3,649.61	-10,078.76	3,872.95	3,338.63	534.32	7.248		
17,500.00	7,875.00	17,567.01	7,875.00	267.21	272.56	89.40	3,649.59	-10,178.76	3,872.98	3,333.31	539.67	7.177		
17,600.00	7,875.00	17,667.01	7,875.00	269.89	275.23	89.40	3,649.58	-10,278.76	3,873.02	3,327.99	545.03	7.106		
17,700.00	7,875.00	17,767.01	7,875.00	272.57	277.91	89.40	3,649.56	-10,378.76	3,873.05	3,322.67	550.38	7.037		
17,800.00	7,875.00	17,867.01	7,875.00	275.25	280.58	89.40	3,649.55	-10,478.76	3,873.08	3,317.34	555.74	6.969		
17,900.00	7,875.00	17,967.01	7,875.00	277.94	283.26	89.40	3,649.53	-10,578.76	3,873.12	3,312.02	561.10	6.903		
18,000.00	7,875.00	18,067.01	7,875.00	280.62	285.93	89.40	3,649.51	-10,678.76	3,873.15	3,306.70	566.46	6.838		
18,100.00	7,875.00	18,167.01	7,875.00	283.30	288.61	89.40	3,649.50	-10,778.76	3,873.19	3,301.37	571.81	6.774		
18,200.00	7,875.00	18,267.01	7,875.00	285.98	291.28	89.40	3,649.48	-10,878.76	3,873.22	3,296.05	577.17	6.711		
18,300.00	7,875.00	18,367.01	7,875.00	288.66	293.96	89.40	3,649.47	-10,978.76	3,873.25	3,290.72	582.53	6.649		
18,400.00	7,875.00	18,467.01	7,875.00	291.35	296.64	89.40	3,649.45	-11,078.76	3,873.29	3,285.40	587.89	6.588		
18,500.00	7,875.00	18,567.01	7,875.00	294.03	299.31	89.40	3,649.44	-11,178.76	3,873.32	3,280.07	593.25	6.529		
18,600.00	7,875.00	18,667.01	7,875.00	296.71	301.99	89.40	3,649.42	-11,278.76	3,873.36	3,274.75	598.61	6.471		
18,700.00	7,875.00	18,767.01	7,875.00	299.39	304.67	89.40	3,649.40	-11,378.76	3,873.39	3,269.42	603.97	6.413		
18,800.00	7,875.00	18,867.01	7,875.00	302.08	307.35	89.40	3,649.39	-11,478.76	3,873.43	3,264.09	609.33	6.357		
18,900.00	7,875.00	18,967.01	7,875.00	304.76	310.02	89.40	3,649.37	-11,578.76	3,873.46	3,258.76	614.70	6.301		
19,000.00	7,875.00	19,067.01	7,875.00	307.44	312.70	89.40	3,649.36	-11,678.76	3,873.49	3,253.44	620.06	6.247		
19,100.00	7,875.00	19,167.01	7,875.00	310.13	315.38	89.40	3,649.34	-11,778.76	3,873.53	3,248.11	625.42	6.193		
19,200.00	7,875.00	19,267.01	7,875.00	312.81	318.06	89.40	3,649.32	-11,878.76	3,873.56	3,242.78	630.78	6.141		
19,300.00	7,875.00	19,367.01	7,875.00	315.49	320.74	89.40	3,649.31	-11,978.76	3,873.60	3,237.45	636.14	6.089		
19,400.00	7,875.00	19,467.01	7,875.00	318.18	323.42	89.40	3,649.29	-12,078.76	3,873.63	3,232.12	641.51	6.038		
19,500.00	7,875.00	19,567.01	7,875.00	320.86	326.09	89.40	3,649.28	-12,178.76	3,873.66	3,226.79	646.87	5.988		
19,600.00	7,875.00	19,667.01	7,875.00	323.54	328.77	89.40	3,649.26	-12,278.76	3,873.70	3,221.46	652.24	5.939		
19,700.00	7,875.00	19,767.01	7,875.00	326.23	331.45	89.40	3,649.25	-12,378.76	3,873.73	3,216.13	657.60	5.891		
19,800.00	7,875.00	19,867.01	7,875.00	328.91	334.13	89.40	3,649.23	-12,478.76	3,873.77	3,210.80	662.96	5.843		
19,900.00	7,875.00	19,967.01	7,875.00	331.60	336.81	89.40	3,649.21	-12,578.76	3,873.80	3,205.47	668.33	5.796		
20,000.00	7,875.00	20,067.01	7,875.00	334.28	339.49	89.40	3,649.20	-12,678.76	3,873.83	3,200.14	673.69	5.750		
20,100.00	7,875.00	20,167.01	7,875.00	336.97	342.17	89.40	3,649.18	-12,778.76	3,873.87	3,194.81	679.06	5.705		
20,200.00	7,875.00	20,267.01	7,875.00	339.65	344.85	89.40	3,649.17	-12,878.76	3,873.90	3,189.48	684.42	5.660		
20,300.00	7,875.00	20,367.01	7,875.00	342.34	347.53	89.40	3,649.15	-12,978.76	3,873.94	3,184.15	689.79	5.616		
20,400.00	7,875.00	20,467.01	7,875.00	345.02	350.22	89.40	3,649.13	-13,078.76	3,873.97	3,178.82	695.16	5.573		
20,500.00	7,875.00	20,567.01	7,875.00	347.71	352.90	89.40	3,649.12	-13,178.76	3,874.01	3,173.48	700.52	5.530		
20,600.00	7,875.00	20,667.01	7,875.00	350.39	355.58	89.40	3,649.10	-13,278.76	3,874.04	3,168.15	705.89	5.488		
20,700.00	7,875.00	20,767.01	7,875.00	353.08	358.26	89.40	3,649.09	-13,378.76	3,874.07	3,162.82	711.25	5.447		
20,800.00	7,875.00	20,867.01	7,875.00	355.76	360.94	89.40	3,649.07	-13,478.76	3,874.11	3,157.49	716.62	5.406		
20,900.00	7,875.00	20,967.01	7,875.00	358.45	363.62	89.40	3,649.06	-13,578.76	3,874.14	3,152.15	721.99	5.366		
21,000.00	7,875.00	21,067.01	7,875.00	361.13	366.30	89.40	3,649.04	-13,678.76	3,874.18	3,146.82	727.36	5.326		
21,100.00	7,875.00	21,167.01	7,875.00	363.82	368.99	89.40	3,649.02	-13,778.76	3,874.21	3,141.49	732.72	5.287		
21,200.00	7,875.00	21,267.01	7,875.00	366.50	371.67	89.40	3,649.01	-13,878.76	3,874.24	3,136.15	738.09	5.249		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 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	
21,300.00	7,875.00	21,367.01	7,875.00	369.19	374.35	89.40	3,648.99	-13,978.76	3,874.28	3,130.82	743.46	5.211	
21,400.00	7,875.00	21,467.01	7,875.00	371.87	377.03	89.40	3,648.98	-14,078.76	3,874.31	3,125.48	748.83	5.174	
21,500.00	7,875.00	21,567.01	7,875.00	374.56	379.71	89.40	3,648.96	-14,178.76	3,874.35	3,120.15	754.20	5.137	
21,600.00	7,875.00	21,667.01	7,875.00	377.25	382.40	89.40	3,648.94	-14,278.76	3,874.38	3,114.82	759.56	5.101	
21,700.00	7,875.00	21,767.01	7,875.00	379.93	385.08	89.40	3,648.93	-14,378.76	3,874.41	3,109.48	764.93	5.065	
21,800.00	7,875.00	21,867.01	7,875.00	382.62	387.76	89.40	3,648.91	-14,478.76	3,874.45	3,104.15	770.30	5.030	
21,900.00	7,875.00	21,967.01	7,875.00	385.30	390.44	89.40	3,648.90	-14,578.76	3,874.48	3,098.81	775.67	4.995	
22,000.00	7,875.00	22,067.01	7,875.00	387.99	393.13	89.40	3,648.88	-14,678.76	3,874.52	3,093.48	781.04	4.961	
22,100.00	7,875.00	22,167.01	7,875.00	390.68	395.81	89.40	3,648.86	-14,778.76	3,874.55	3,088.14	786.41	4.927	
22,200.00	7,875.00	22,267.01	7,875.00	393.36	398.49	89.40	3,648.85	-14,878.76	3,874.59	3,082.80	791.78	4.894	
22,300.00	7,875.00	22,367.01	7,875.00	396.05	401.18	89.40	3,648.83	-14,978.76	3,874.62	3,077.47	797.15	4.861	
22,400.00	7,875.00	22,467.01	7,875.00	398.73	403.86	89.40	3,648.82	-15,078.76	3,874.65	3,072.13	802.52	4.828	
22,500.00	7,875.00	22,567.01	7,875.00	401.42	406.54	89.40	3,648.80	-15,178.76	3,874.69	3,066.80	807.89	4.796	
22,600.00	7,875.00	22,667.01	7,875.00	404.11	409.23	89.40	3,648.79	-15,278.76	3,874.72	3,061.46	813.26	4.764	
22,700.00	7,875.00	22,767.01	7,875.00	406.79	411.91	89.40	3,648.77	-15,378.76	3,874.76	3,056.12	818.63	4.733	
22,800.00	7,875.00	22,867.01	7,875.00	409.48	414.59	89.40	3,648.75	-15,478.76	3,874.79	3,050.79	824.00	4.702	
22,900.00	7,875.00	22,967.01	7,875.00	412.17	417.28	89.40	3,648.74	-15,578.76	3,874.82	3,045.45	829.37	4.672	
23,000.00	7,875.00	23,067.01	7,875.00	414.85	419.96	89.40	3,648.72	-15,678.76	3,874.86	3,040.11	834.74	4.642	
23,100.00	7,875.00	23,167.01	7,875.00	417.54	422.65	89.40	3,648.71	-15,778.76	3,874.89	3,034.78	840.11	4.612	
23,186.11	7,875.00	23,253.12	7,875.00	419.85	424.96	89.40	3,648.69	-15,864.87	3,874.92	3,030.18	844.74	4.587 ES, SF	

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 1CH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG, 2122-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	68.22	68.22	0.00	0.15	6.78	3,069.04	364.60	3,090.75					
29.38	29.38	93.42	93.42	0.01	0.24	131.50	3,068.86	364.47	3,090.55	3,090.30	0.25	N/A		
59.94	59.94	121.63	121.63	0.12	0.34	109.53	3,068.67	364.33	3,090.40	3,089.94	0.46	6,734.377		
90.50	90.50	152.11	152.10	0.23	0.45	140.86	3,068.48	364.24	3,090.31	3,089.63	0.68	4,564.869		
121.06	121.06	194.88	194.87	0.34	0.60	143.67	3,068.14	363.97	3,090.30	3,089.36	0.94	3,289.536		
151.62	151.62	229.78	229.77	0.45	0.73	109.37	3,067.78	363.58	3,090.17	3,088.99	1.17	2,632.718		
212.74	212.73	291.43	291.41	0.67	0.95	129.68	3,067.13	362.69	3,089.79	3,088.18	1.61	1,915.185		
273.86	273.84	353.73	353.69	0.89	1.17	113.33	3,066.52	361.23	3,089.48	3,087.42	2.06	1,503.266		
314.36	314.33	387.40	387.34	1.03	1.29	116.55	3,066.24	360.21	3,089.35	3,087.03	2.32	1,331.041 CC		
316.51	316.48	388.91	388.85	1.04	1.30	116.68	3,066.23	360.16	3,089.35	3,087.01	2.33	1,323.556		
359.16	359.12	414.48	414.41	1.19	1.39	120.95	3,066.12	359.29	3,089.59	3,087.02	2.58	1,197.828		
401.81	401.74	446.59	446.50	1.35	1.51	124.39	3,066.14	358.07	3,090.33	3,087.48	2.85	1,084.862		
444.46	444.34	482.15	482.01	1.51	1.63	120.30	3,066.34	356.52	3,091.43	3,088.30	3.13	987.446		
487.11	486.92	524.23	524.04	1.66	1.78	120.26	3,066.64	354.42	3,092.69	3,089.25	3.44	899.747		
529.76	529.49	563.62	563.37	1.82	1.93	118.82	3,066.97	352.19	3,094.07	3,090.34	3.74	828.207		
572.41	572.04	605.45	605.12	1.98	2.08	119.49	3,067.39	349.67	3,095.59	3,091.54	4.04	765.400		
615.06	614.59	673.44	673.00	2.14	2.32	116.47	3,067.81	345.75	3,096.95	3,092.50	4.45	696.089		
657.71	657.13	713.08	712.59	2.30	2.47	116.12	3,067.83	343.90	3,098.11	3,093.35	4.75	652.078		
700.36	699.68	745.98	745.47	2.46	2.59	119.53	3,067.87	342.72	3,099.37	3,094.34	5.03	616.433		
743.01	742.23	781.63	781.12	2.61	2.72	120.50	3,067.97	341.81	3,100.76	3,095.44	5.31	583.573		
785.66	784.78	817.49	816.96	2.77	2.84	124.95	3,068.11	341.18	3,102.45	3,096.85	5.60	554.098		
828.31	827.31	857.62	857.09	2.94	2.99	126.13	3,068.31	340.85	3,104.45	3,098.55	5.90	526.256		
870.96	869.88	906.40	905.87	3.09	3.16	126.47	3,068.46	340.60	3,106.13	3,099.91	6.23	498.777		
913.61	912.48	958.75	958.22	3.25	3.34	133.11	3,068.51	340.36	3,107.43	3,100.87	6.57	473.122		
956.26	955.09	992.20	991.67	3.41	3.46	135.50	3,068.50	340.17	3,108.75	3,101.91	6.84	454.426		
998.91	997.69	1,028.70	1,028.17	3.56	3.59	135.80	3,068.66	339.92	3,110.32	3,103.19	7.12	436.539		
1,041.56	1,040.31	1,041.56	1,089.91	3.72	3.64	136.03	3,068.69	339.42	3,111.51	3,104.19	7.32	424.810		
1,084.21	1,082.93	1,130.39	1,129.86	3.87	3.95	139.20	3,068.56	339.14	3,112.33	3,104.54	7.79	399.362		
1,126.86	1,125.57	1,167.61	1,167.08	4.03	4.09	135.26	3,068.57	338.90	3,113.25	3,105.17	8.08	385.354		
1,169.51	1,168.19	1,211.83	1,211.29	4.18	4.24	139.48	3,068.61	338.55	3,114.27	3,105.88	8.39	371.173		
1,212.16	1,210.82	1,243.76	1,243.23	4.34	4.35	147.40	3,068.64	338.35	3,115.39	3,106.73	8.65	359.974		
1,254.81	1,253.45	1,269.89	1,269.35	4.49	4.44	159.50	3,068.77	338.41	3,116.72	3,107.82	8.89	350.394		
1,297.46	1,296.09	1,303.91	1,303.37	4.64	4.56	158.22	3,069.07	338.61	3,118.15	3,108.99	9.16	340.477		
1,340.11	1,338.72	1,344.64	1,344.10	4.79	4.69	162.67	3,069.51	338.86	3,119.66	3,110.22	9.44	330.309		
1,382.76	1,381.36	1,375.66	1,375.11	4.95	4.80	150.40	3,069.88	339.10	3,121.32	3,111.62	9.70	321.802		
1,425.41	1,423.99	1,411.33	1,410.77	5.10	4.92	135.32	3,070.47	339.35	3,123.04	3,113.07	9.97	313.192		
1,468.06	1,466.62	1,465.23	1,464.68	5.26	5.10	130.08	3,071.23	339.91	3,124.59	3,114.28	10.31	303.133		
1,510.71	1,509.24	1,509.69	1,509.12	5.41	5.25	133.79	3,071.78	340.24	3,126.12	3,115.51	10.61	294.581		
1,553.36	1,551.88	1,552.61	1,552.04	5.56	5.39	153.02	3,072.31	340.60	3,127.54	3,116.63	10.91	286.651		
1,596.01	1,594.52	1,601.89	1,601.32	5.72	5.56	149.22	3,072.88	340.91	3,128.80	3,117.57	11.23	278.593		
1,638.66	1,637.16	1,663.76	1,663.18	5.87	5.77	142.19	3,073.27	341.58	3,129.72	3,118.13	11.59	269.970		
1,681.31	1,679.81	1,708.19	1,707.61	6.02	5.92	158.72	3,073.42	342.03	3,130.42	3,118.52	11.89	263.185		
1,723.96	1,722.45	1,758.20	1,757.62	6.17	6.09	147.77	3,073.54	342.44	3,131.19	3,118.97	12.22	256.327		
1,766.61	1,765.10	1,805.77	1,805.19	6.33	6.25	152.15	3,073.52	342.83	3,131.85	3,119.33	12.53	249.972		
1,809.26	1,807.74	1,846.83	1,846.25	6.48	6.39	149.95	3,073.50	343.19	3,132.45	3,119.63	12.82	244.344		
1,851.91	1,850.39	1,885.61	1,885.02	6.63	6.52	138.45	3,073.49	343.63	3,133.13	3,120.02	13.10	239.097		
1,894.56	1,893.03	1,926.82	1,926.23	6.78	6.66	135.91	3,073.54	344.16	3,133.85	3,120.45	13.40	233.917		
1,937.21	1,935.67	1,970.40	1,969.81	6.94	6.81	134.80	3,073.55	344.68	3,134.43	3,120.73	13.70	228.809		
1,979.86	1,978.32	2,010.71	2,010.11	7.09	6.95	133.99	3,073.59	345.28	3,135.00	3,121.01	13.99	224.098		
2,022.51	2,020.96	2,063.53	2,062.93	7.24	7.13	145.48	3,073.59	346.11	3,135.59	3,121.27	14.32	218.912		
2,065.16	2,063.61	2,101.75	2,101.14	7.40	7.26	143.51	3,073.49	346.64	3,136.14	3,121.54	14.61	214.700		
2,107.81	2,106.25	2,135.29	2,134.68	7.55	7.38	163.61	3,073.53	347.17	3,136.90	3,122.03	14.87	210.899		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 1CH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG, 2122-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
2,150.46	2,148.89	2,178.05	2,177.44	7.70	7.52	163.51	3,073.61	347.86	3,137.78	3,122.61	15.17	206.804		
2,205.46	2,203.89	2,249.00	2,248.37	7.80	7.77	163.52	3,073.69	348.11	3,138.79	3,123.27	15.52	202.257		
2,300.00	2,298.37	2,370.94	2,370.25	7.82	8.20	132.64	3,073.49	344.45	3,140.58	3,124.61	15.96	196.734		
2,340.72	2,339.03	2,423.43	2,422.65	7.83	8.39	128.93	3,073.28	341.29	3,141.52	3,125.36	16.16	194.368		
2,400.00	2,398.21	2,499.79	2,498.75	7.86	8.66	128.88	3,072.85	334.97	3,142.82	3,126.36	16.46	190.942		
2,500.00	2,498.02	2,621.88	2,619.99	7.92	9.11	128.73	3,071.84	320.77	3,144.31	3,127.35	16.96	185.422		
2,600.00	2,597.84	2,721.54	2,718.80	7.99	9.48	128.58	3,070.90	307.76	3,145.55	3,128.15	17.40	180.803		
2,700.00	2,697.65	2,821.21	2,817.60	8.09	9.85	128.44	3,069.97	294.75	3,146.80	3,128.94	17.86	176.212		
2,800.00	2,797.47	2,920.87	2,916.41	8.20	10.23	128.29	3,069.03	281.75	3,148.08	3,129.74	18.34	171.671		
2,900.00	2,897.29	3,020.53	3,015.21	8.32	10.61	128.14	3,068.09	268.74	3,149.37	3,130.54	18.84	167.199		
3,000.00	2,997.10	3,120.19	3,114.02	8.46	11.00	128.00	3,067.16	255.74	3,150.69	3,131.34	19.35	162.811		
3,100.00	3,096.92	3,219.85	3,212.82	8.61	11.38	127.85	3,066.22	242.73	3,152.03	3,132.15	19.88	158.520		
3,200.00	3,196.73	3,319.51	3,311.63	8.78	11.77	127.70	3,065.28	229.72	3,153.39	3,132.96	20.43	154.336		
3,300.00	3,296.55	3,419.18	3,410.43	8.96	12.16	127.56	3,064.35	216.72	3,154.77	3,133.78	20.99	150.266		
3,400.00	3,396.37	3,518.84	3,509.24	9.15	12.56	127.41	3,063.41	203.71	3,156.17	3,134.60	21.57	146.316		
3,500.00	3,496.18	3,618.50	3,608.04	9.35	12.95	127.26	3,062.48	190.70	3,157.59	3,135.43	22.16	142.489		
3,600.00	3,596.00	3,718.16	3,706.85	9.56	13.35	127.12	3,061.54	177.70	3,159.04	3,136.28	22.76	138.788		
3,700.00	3,695.81	3,817.82	3,805.65	9.78	13.75	126.97	3,060.60	164.69	3,160.50	3,137.13	23.37	135.213		
3,800.00	3,795.63	3,917.48	3,904.46	10.01	14.15	126.82	3,059.67	151.68	3,161.99	3,137.99	24.00	131.764		
3,900.00	3,895.45	4,017.15	4,003.26	10.25	14.55	126.68	3,058.73	138.68	3,163.49	3,138.86	24.63	128.439		
4,000.00	3,995.26	4,116.81	4,102.07	10.50	14.95	126.53	3,057.79	125.67	3,165.02	3,139.74	25.27	125.236		
4,100.00	4,095.08	4,216.47	4,200.87	10.76	15.35	126.39	3,056.86	112.66	3,166.56	3,140.64	25.92	122.153		
4,200.00	4,194.89	4,316.13	4,299.68	11.02	15.76	126.24	3,055.92	99.66	3,168.13	3,141.55	26.58	119.185		
4,300.00	4,294.71	4,415.79	4,398.48	11.28	16.16	126.10	3,054.98	86.65	3,169.72	3,142.47	27.25	116.330		
4,400.00	4,394.53	4,515.46	4,497.29	11.56	16.57	125.95	3,054.05	73.64	3,171.32	3,143.40	27.92	113.584		
4,500.00	4,494.34	4,615.12	4,596.09	11.84	16.97	125.81	3,053.11	60.64	3,172.95	3,144.35	28.60	110.943		
4,600.00	4,594.16	4,714.78	4,694.90	12.12	17.38	125.66	3,052.18	47.63	3,174.60	3,145.31	29.29	108.403		
4,700.00	4,693.97	4,814.44	4,793.70	12.41	17.79	125.52	3,051.24	34.62	3,176.27	3,146.29	29.98	105.961		
4,800.00	4,793.79	4,914.10	4,892.51	12.70	18.19	125.37	3,050.30	21.62	3,177.96	3,147.29	30.67	103.611		
4,900.00	4,893.61	5,013.76	4,991.31	13.00	18.60	125.23	3,049.37	8.61	3,179.67	3,148.29	31.37	101.350		
5,000.00	4,993.42	5,113.43	5,090.12	13.30	19.01	125.08	3,048.43	-4.40	3,181.40	3,149.32	32.08	99.175		
5,100.00	5,093.24	5,213.09	5,188.92	13.61	19.42	124.94	3,047.49	-17.40	3,183.15	3,150.36	32.79	97.082		
5,200.00	5,193.06	5,312.75	5,287.73	13.92	19.83	124.79	3,046.56	-30.41	3,184.92	3,151.42	33.50	95.066		
5,300.00	5,292.87	5,412.41	5,386.53	14.23	20.24	124.65	3,045.62	-43.41	3,186.71	3,152.49	34.22	93.125		
5,400.00	5,392.69	5,512.07	5,485.34	14.54	20.66	124.51	3,044.68	-56.42	3,188.52	3,153.58	34.94	91.255		
5,500.00	5,492.50	5,611.73	5,584.14	14.86	21.07	124.36	3,043.75	-69.43	3,190.35	3,154.69	35.67	89.453		
5,600.00	5,592.32	5,711.40	5,682.95	15.18	21.48	124.22	3,042.81	-82.43	3,192.20	3,155.81	36.39	87.715		
5,700.00	5,692.14	5,811.06	5,781.75	15.50	21.89	124.08	3,041.88	-95.44	3,194.07	3,156.95	37.12	86.040		
5,800.00	5,791.95	5,910.72	5,880.56	15.83	22.30	123.93	3,040.94	-108.45	3,195.96	3,158.11	37.86	84.424		
5,900.00	5,891.77	6,010.38	5,979.36	16.16	22.72	123.79	3,040.00	-121.45	3,197.88	3,159.28	38.59	82.864		
6,000.00	5,991.58	6,110.04	6,078.17	16.48	23.13	123.65	3,039.07	-134.46	3,199.81	3,160.48	39.33	81.358		
6,100.00	6,091.40	6,209.71	6,176.97	16.81	23.54	123.51	3,038.13	-147.47	3,201.76	3,161.69	40.07	79.903		
6,200.00	6,191.22	6,309.37	6,275.78	17.15	23.96	123.36	3,037.19	-160.47	3,203.73	3,162.92	40.81	78.497		
6,300.00	6,291.03	6,409.03	6,374.58	17.48	24.37	123.22	3,036.26	-173.48	3,205.72	3,164.16	41.56	77.138		
6,400.00	6,390.85	6,508.69	6,473.39	17.82	24.79	123.08	3,035.32	-186.49	3,207.73	3,165.43	42.30	75.824		
6,500.00	6,490.66	6,608.35	6,572.19	18.15	25.20	122.94	3,034.39	-199.49	3,209.76	3,166.71	43.05	74.553		
6,600.00	6,590.48	6,708.01	6,671.00	18.49	25.61	122.80	3,033.45	-212.50	3,211.81	3,168.01	43.80	73.323		
6,700.00	6,690.30	6,807.68	6,769.80	18.83	26.03	122.66	3,032.51	-225.51	3,213.88	3,169.33	44.56	72.132		
6,800.00	6,790.11	6,907.34	6,868.61	19.17	26.44	122.51	3,031.58	-238.51	3,215.97	3,170.66	45.31	70.979		
6,900.00	6,889.93	7,007.00	6,967.41	19.52	26.86	122.37	3,030.64	-251.52	3,218.08	3,172.02	46.06	69.861		
7,000.00	6,989.74	7,106.66	7,066.22	19.86	27.28	122.23	3,029.70	-264.53	3,220.21	3,173.39	46.82	68.778		
7,100.00	7,089.56	7,206.32	7,165.02	20.21	27.69	122.09	3,028.77	-277.53	3,222.36	3,174.78	47.58	67.728		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 1CH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG, 2122-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
7,200.00	7,189.38	7,305.98	7,263.83	20.55	28.11	121.95	3,027.83	-290.54	3,224.52	3,176.19	48.34	66.709		
7,300.00	7,289.19	7,405.65	7,362.63	20.90	28.52	121.81	3,026.89	-303.55	3,226.71	3,177.61	49.10	65.720		
7,342.81	7,331.92	7,448.31	7,404.93	21.05	28.70	121.75	3,026.49	-309.11	3,227.65	3,178.23	49.42	65.306		
7,350.00	7,339.10	7,455.48	7,412.04	21.07	28.73	116.46	3,026.43	-310.05	3,227.81	3,178.33	49.48	65.237		
7,400.00	7,388.77	7,505.59	7,461.71	21.26	28.94	101.88	3,025.96	-316.67	3,228.92	3,179.05	49.87	64.744		
7,450.00	7,437.78	7,556.38	7,511.53	21.46	29.18	97.53	3,025.48	-326.39	3,230.02	3,179.72	50.30	64.210		
7,500.00	7,485.76	7,607.17	7,560.31	21.68	29.44	95.44	3,025.02	-340.48	3,231.10	3,180.31	50.78	63.625		
7,550.00	7,532.34	7,657.96	7,607.65	21.91	29.74	94.19	3,024.57	-358.84	3,232.14	3,180.83	51.31	62.990		
7,600.00	7,577.17	7,708.75	7,653.18	22.16	30.06	93.35	3,024.14	-381.31	3,233.15	3,181.26	51.89	62.306		
7,650.00	7,619.91	7,759.53	7,696.53	22.44	30.42	92.74	3,023.72	-407.72	3,234.11	3,181.59	52.53	61.570		
7,700.00	7,660.24	7,810.30	7,737.36	22.74	30.81	92.28	3,023.33	-437.86	3,235.03	3,181.80	53.22	60.782		
7,750.00	7,697.84	7,861.05	7,775.35	23.07	31.24	91.91	3,022.97	-471.48	3,235.88	3,181.89	53.99	59.936		
7,800.00	7,732.43	7,911.77	7,810.20	23.43	31.71	91.62	3,022.63	-508.30	3,236.66	3,181.83	54.83	59.031		
7,850.00	7,763.75	7,962.45	7,841.64	23.84	32.22	91.38	3,022.33	-548.04	3,237.37	3,181.62	55.75	58.065		
7,900.00	7,791.55	8,013.10	7,869.43	24.29	32.77	91.18	3,022.06	-590.36	3,238.01	3,181.24	56.77	57.040		
7,950.00	7,815.64	8,063.71	7,893.35	24.79	33.35	91.01	3,021.82	-634.94	3,238.56	3,180.68	57.87	55.958		
8,000.00	7,835.81	8,114.26	7,913.23	25.35	33.98	90.88	3,021.63	-681.40	3,239.02	3,179.95	59.08	54.828		
8,050.00	7,851.93	8,164.77	7,928.93	25.96	34.65	90.77	3,021.47	-729.39	3,239.40	3,179.03	60.37	53.660		
8,100.00	7,863.86	8,215.22	7,940.33	26.62	35.35	90.69	3,021.36	-778.52	3,239.68	3,177.93	61.75	52.468		
8,150.00	7,871.52	8,265.60	7,947.36	27.33	36.08	90.64	3,021.28	-828.39	3,239.87	3,176.67	63.20	51.266		
8,200.00	7,874.85	8,315.93	7,949.98	28.07	36.84	90.60	3,021.25	-878.63	3,239.96	3,175.25	64.71	50.072		
8,213.19	7,875.00	8,329.15	7,950.00	28.27	37.04	90.60	3,021.25	-891.85	3,239.97	3,174.85	65.11	49.758		
8,300.00	7,875.00	8,415.96	7,950.00	29.67	38.42	90.60	3,021.23	-978.66	3,239.99	3,172.08	67.91	47.707		
8,400.00	7,875.00	8,515.96	7,950.00	31.43	40.11	90.60	3,021.22	-1,078.66	3,240.03	3,168.65	71.38	45.390		
8,500.00	7,875.00	8,615.96	7,950.00	33.31	41.91	90.60	3,021.20	-1,178.66	3,240.06	3,164.99	75.08	43.156		
8,600.00	7,875.00	8,715.96	7,950.00	35.29	43.80	90.60	3,021.19	-1,278.66	3,240.10	3,161.13	78.97	41.030		
8,700.00	7,875.00	8,815.96	7,950.00	37.37	45.78	90.60	3,021.17	-1,378.66	3,240.13	3,157.10	83.03	39.025		
8,800.00	7,875.00	8,915.96	7,950.00	39.52	47.82	90.60	3,021.15	-1,478.66	3,240.17	3,152.94	87.23	37.145		
8,900.00	7,875.00	9,015.96	7,950.00	41.73	49.92	90.60	3,021.14	-1,578.66	3,240.20	3,148.64	91.55	35.391		
9,000.00	7,875.00	9,115.96	7,950.00	44.00	52.08	90.60	3,021.12	-1,678.66	3,240.23	3,144.25	95.99	33.757		
9,100.00	7,875.00	9,215.96	7,950.00	46.32	54.28	90.60	3,021.11	-1,778.66	3,240.27	3,139.76	100.51	32.238		
9,200.00	7,875.00	9,315.96	7,950.00	48.67	56.53	90.60	3,021.09	-1,878.66	3,240.30	3,135.19	105.12	30.826		
9,300.00	7,875.00	9,415.96	7,950.00	51.05	58.82	90.60	3,021.08	-1,978.66	3,240.34	3,130.54	109.79	29.514		
9,400.00	7,875.00	9,515.96	7,950.00	53.47	61.13	90.60	3,021.06	-2,078.66	3,240.37	3,125.84	114.53	28.293		
9,500.00	7,875.00	9,615.96	7,950.00	55.91	63.48	90.60	3,021.04	-2,178.66	3,240.40	3,121.08	119.32	27.157		
9,600.00	7,875.00	9,715.96	7,950.00	58.37	65.86	90.60	3,021.03	-2,278.66	3,240.44	3,116.28	124.16	26.099		
9,700.00	7,875.00	9,815.96	7,950.00	60.85	68.25	90.60	3,021.01	-2,378.66	3,240.47	3,111.43	129.04	25.112		
9,800.00	7,875.00	9,915.96	7,950.00	63.35	70.67	90.60	3,021.00	-2,478.66	3,240.51	3,106.55	133.96	24.190		
9,900.00	7,875.00	10,015.96	7,950.00	65.86	73.11	90.60	3,020.98	-2,578.66	3,240.54	3,101.63	138.92	23.327		
10,000.00	7,875.00	10,115.96	7,950.00	68.39	75.56	90.60	3,020.96	-2,678.66	3,240.57	3,096.67	143.90	22.520		
10,100.00	7,875.00	10,215.96	7,950.00	70.93	78.04	90.60	3,020.95	-2,778.66	3,240.61	3,091.70	148.91	21.762		
10,200.00	7,875.00	10,315.96	7,950.00	73.48	80.52	90.60	3,020.93	-2,878.66	3,240.64	3,086.69	153.95	21.050		
10,300.00	7,875.00	10,415.96	7,950.00	76.04	83.02	90.60	3,020.92	-2,978.66	3,240.68	3,081.67	159.01	20.381		
10,400.00	7,875.00	10,515.96	7,950.00	78.61	85.53	90.60	3,020.90	-3,078.66	3,240.71	3,076.62	164.09	19.750		
10,500.00	7,875.00	10,615.96	7,950.00	81.19	88.05	90.60	3,020.89	-3,178.66	3,240.74	3,071.56	169.19	19.155		
10,600.00	7,875.00	10,715.96	7,950.00	83.77	90.58	90.60	3,020.87	-3,278.66	3,240.78	3,066.48	174.30	18.593		
10,700.00	7,875.00	10,815.96	7,950.00	86.36	93.12	90.60	3,020.85	-3,378.66	3,240.81	3,061.38	179.43	18.062		
10,800.00	7,875.00	10,915.96	7,950.00	88.96	95.66	90.60	3,020.84	-3,478.66	3,240.85	3,056.27	184.58	17.558		
10,900.00	7,875.00	11,015.96	7,950.00	91.56	98.22	90.60	3,020.82	-3,578.66	3,240.88	3,051.15	189.73	17.081		
11,000.00	7,875.00	11,115.96	7,950.00	94.17	100.78	90.60	3,020.81	-3,678.66	3,240.92	3,046.01	194.90	16.628		
11,100.00	7,875.00	11,215.96	7,950.00	96.78	103.35	90.60	3,020.79	-3,778.66	3,240.95	3,040.87	200.08	16.198		
11,200.00	7,875.00	11,315.96	7,950.00	99.39	105.92	90.60	3,020.77	-3,878.66	3,240.98	3,035.71	205.28	15.788		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 1CH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG, 2122-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
11,300.00	7,875.00	11,415.96	7,950.00	102.01	108.50	90.60	3,020.76	-3,978.66	3,241.02	3,030.54	210.48	15.399		
11,400.00	7,875.00	11,515.96	7,950.00	104.64	111.09	90.60	3,020.74	-4,078.66	3,241.05	3,025.37	215.69	15.027		
11,500.00	7,875.00	11,615.96	7,950.00	107.26	113.68	90.60	3,020.73	-4,178.66	3,241.09	3,020.18	220.90	14.672		
11,600.00	7,875.00	11,715.96	7,950.00	109.89	116.28	90.60	3,020.71	-4,278.66	3,241.12	3,014.99	226.13	14.333		
11,700.00	7,875.00	11,815.96	7,950.00	112.52	118.88	90.60	3,020.70	-4,378.66	3,241.15	3,009.79	231.36	14.009		
11,800.00	7,875.00	11,915.96	7,950.00	115.16	121.48	90.60	3,020.68	-4,478.66	3,241.19	3,004.59	236.60	13.699		
11,900.00	7,875.00	12,015.96	7,950.00	117.80	124.09	90.60	3,020.66	-4,578.66	3,241.22	2,999.38	241.85	13.402		
12,000.00	7,875.00	12,115.96	7,950.00	120.44	126.70	90.60	3,020.65	-4,678.66	3,241.26	2,994.16	247.10	13.117		
12,100.00	7,875.00	12,215.96	7,950.00	123.08	129.31	90.60	3,020.63	-4,778.66	3,241.29	2,988.94	252.35	12.844		
12,200.00	7,875.00	12,315.96	7,950.00	125.73	131.93	90.60	3,020.62	-4,878.66	3,241.32	2,983.71	257.62	12.582		
12,300.00	7,875.00	12,415.96	7,950.00	128.37	134.55	90.60	3,020.60	-4,978.66	3,241.36	2,978.48	262.88	12.330		
12,400.00	7,875.00	12,515.96	7,950.00	131.02	137.17	90.60	3,020.58	-5,078.66	3,241.39	2,973.24	268.15	12.088		
12,500.00	7,875.00	12,615.96	7,950.00	133.67	139.80	90.60	3,020.57	-5,178.66	3,241.43	2,968.00	273.43	11.855		
12,600.00	7,875.00	12,715.96	7,950.00	136.32	142.42	90.60	3,020.55	-5,278.66	3,241.46	2,962.75	278.71	11.630		
12,700.00	7,875.00	12,815.96	7,950.00	138.97	145.05	90.60	3,020.54	-5,378.66	3,241.50	2,957.50	283.99	11.414		
12,800.00	7,875.00	12,915.96	7,950.00	141.63	147.69	90.60	3,020.52	-5,478.66	3,241.53	2,952.25	289.28	11.206		
12,900.00	7,875.00	13,015.96	7,950.00	144.28	150.32	90.60	3,020.50	-5,578.66	3,241.56	2,946.99	294.57	11.004		
13,000.00	7,875.00	13,115.96	7,950.00	146.94	152.96	90.60	3,020.49	-5,678.66	3,241.60	2,941.74	299.86	10.810		
13,100.00	7,875.00	13,215.96	7,950.00	149.60	155.60	90.60	3,020.47	-5,778.66	3,241.63	2,936.47	305.16	10.623		
13,200.00	7,875.00	13,315.96	7,950.00	152.26	158.24	90.60	3,020.46	-5,878.66	3,241.67	2,931.21	310.46	10.442		
13,300.00	7,875.00	13,415.96	7,950.00	154.92	160.88	90.60	3,020.44	-5,978.66	3,241.70	2,925.94	315.76	10.266		
13,400.00	7,875.00	13,515.96	7,950.00	157.58	163.52	90.60	3,020.43	-6,078.66	3,241.73	2,920.67	321.07	10.097		
13,500.00	7,875.00	13,615.96	7,950.00	160.24	166.17	90.60	3,020.41	-6,178.66	3,241.77	2,915.39	326.37	9.933		
13,600.00	7,875.00	13,715.96	7,950.00	162.91	168.81	90.60	3,020.39	-6,278.66	3,241.80	2,910.12	331.68	9.774		
13,700.00	7,875.00	13,815.96	7,950.00	165.57	171.46	90.60	3,020.38	-6,378.66	3,241.84	2,904.84	337.00	9.620		
13,800.00	7,875.00	13,915.96	7,950.00	168.24	174.11	90.60	3,020.36	-6,478.66	3,241.87	2,899.56	342.31	9.471		
13,900.00	7,875.00	14,015.96	7,950.00	170.90	176.76	90.60	3,020.35	-6,578.66	3,241.90	2,894.28	347.63	9.326		
14,000.00	7,875.00	14,115.96	7,950.00	173.57	179.41	90.60	3,020.33	-6,678.66	3,241.94	2,888.99	352.94	9.185		
14,100.00	7,875.00	14,215.96	7,950.00	176.24	182.07	90.60	3,020.31	-6,778.66	3,241.97	2,883.71	358.26	9.049		
14,200.00	7,875.00	14,315.96	7,950.00	178.90	184.72	90.60	3,020.30	-6,878.66	3,242.01	2,878.42	363.59	8.917		
14,300.00	7,875.00	14,415.96	7,950.00	181.57	187.37	90.60	3,020.28	-6,978.66	3,242.04	2,873.13	368.91	8.788		
14,400.00	7,875.00	14,515.96	7,950.00	184.24	190.03	90.60	3,020.27	-7,078.66	3,242.07	2,867.84	374.24	8.663		
14,500.00	7,875.00	14,615.96	7,950.00	186.91	192.69	90.60	3,020.25	-7,178.66	3,242.11	2,862.55	379.56	8.542		
14,600.00	7,875.00	14,715.96	7,950.00	189.58	195.35	90.60	3,020.24	-7,278.66	3,242.14	2,857.25	384.89	8.424		
14,700.00	7,875.00	14,815.96	7,950.00	192.26	198.00	90.60	3,020.22	-7,378.66	3,242.18	2,851.96	390.22	8.309		
14,800.00	7,875.00	14,915.96	7,950.00	194.93	200.66	90.60	3,020.20	-7,478.66	3,242.21	2,846.66	395.55	8.197		
14,900.00	7,875.00	15,015.96	7,950.00	197.60	203.32	90.60	3,020.19	-7,578.66	3,242.25	2,841.36	400.89	8.088		
15,000.00	7,875.00	15,115.96	7,950.00	200.27	205.99	90.60	3,020.17	-7,678.66	3,242.28	2,836.06	406.22	7.982		
15,100.00	7,875.00	15,215.96	7,950.00	202.95	208.65	90.60	3,020.16	-7,778.66	3,242.31	2,830.76	411.55	7.878		
15,200.00	7,875.00	15,315.96	7,950.00	205.62	211.31	90.60	3,020.14	-7,878.66	3,242.35	2,825.46	416.89	7.777		
15,300.00	7,875.00	15,415.96	7,950.00	208.29	213.97	90.60	3,020.12	-7,978.66	3,242.38	2,820.15	422.23	7.679		
15,400.00	7,875.00	15,515.96	7,950.00	210.97	216.64	90.60	3,020.11	-8,078.66	3,242.42	2,814.85	427.57	7.583		
15,500.00	7,875.00	15,615.96	7,950.00	213.64	219.30	90.60	3,020.09	-8,178.66	3,242.45	2,809.54	432.91	7.490		
15,600.00	7,875.00	15,715.96	7,950.00	216.32	221.97	90.60	3,020.08	-8,278.66	3,242.48	2,804.24	438.25	7.399		
15,700.00	7,875.00	15,815.96	7,950.00	218.99	224.64	90.60	3,020.06	-8,378.66	3,242.52	2,798.93	443.59	7.310		
15,800.00	7,875.00	15,915.96	7,950.00	221.67	227.30	90.60	3,020.05	-8,478.66	3,242.55	2,793.62	448.93	7.223		
15,900.00	7,875.00	16,015.96	7,950.00	224.35	229.97	90.60	3,020.03	-8,578.66	3,242.59	2,788.31	454.28	7.138		
16,000.00	7,875.00	16,115.96	7,950.00	227.02	232.64	90.60	3,020.01	-8,678.66	3,242.62	2,783.00	459.62	7.055		
16,100.00	7,875.00	16,215.96	7,950.00	229.70	235.31	90.60	3,020.00	-8,778.66	3,242.65	2,777.69	464.97	6.974		
16,200.00	7,875.00	16,315.96	7,950.00	232.38	237.97	90.60	3,019.98	-8,878.66	3,242.69	2,772.38	470.31	6.895		
16,300.00	7,875.00	16,415.96	7,950.00	235.06	240.64	90.60	3,019.97	-8,978.66	3,242.72	2,767.06	475.66	6.817		
16,400.00	7,875.00	16,515.96	7,950.00	237.73	243.31	90.60	3,019.95	-9,078.66	3,242.76	2,761.75	481.01	6.742		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 1CH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG, 2122-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
16,500.00	7,875.00	16,615.96	7,950.00	240.41	245.98	90.60	3,019.93	-9,178.66	3,242.79	2,756.44	486.36	6.668		
16,600.00	7,875.00	16,715.96	7,950.00	243.09	248.66	90.60	3,019.92	-9,278.66	3,242.82	2,751.12	491.70	6.595		
16,700.00	7,875.00	16,815.96	7,950.00	245.77	251.33	90.60	3,019.90	-9,378.66	3,242.86	2,745.80	497.05	6.524		
16,800.00	7,875.00	16,915.96	7,950.00	248.45	254.00	90.60	3,019.89	-9,478.66	3,242.89	2,740.49	502.40	6.455		
16,900.00	7,875.00	17,015.96	7,950.00	251.13	256.67	90.60	3,019.87	-9,578.66	3,242.93	2,735.17	507.76	6.387		
17,000.00	7,875.00	17,115.96	7,950.00	253.81	259.34	90.60	3,019.86	-9,678.66	3,242.96	2,729.85	513.11	6.320		
17,100.00	7,875.00	17,215.96	7,950.00	256.49	262.02	90.60	3,019.84	-9,778.66	3,243.00	2,724.53	518.46	6.255		
17,200.00	7,875.00	17,315.96	7,950.00	259.17	264.69	90.60	3,019.82	-9,878.66	3,243.03	2,719.22	523.81	6.191		
17,300.00	7,875.00	17,415.96	7,950.00	261.85	267.36	90.60	3,019.81	-9,978.66	3,243.06	2,713.90	529.17	6.129		
17,400.00	7,875.00	17,515.96	7,950.00	264.53	270.04	90.60	3,019.79	-10,078.66	3,243.10	2,708.58	534.52	6.067		
17,500.00	7,875.00	17,615.96	7,950.00	267.21	272.71	90.60	3,019.78	-10,178.66	3,243.13	2,703.26	539.88	6.007		
17,600.00	7,875.00	17,715.96	7,950.00	269.89	275.39	90.60	3,019.76	-10,278.66	3,243.17	2,697.93	545.23	5.948		
17,700.00	7,875.00	17,815.96	7,950.00	272.57	278.06	90.60	3,019.74	-10,378.66	3,243.20	2,692.61	550.59	5.890		
17,800.00	7,875.00	17,915.96	7,950.00	275.25	280.74	90.60	3,019.73	-10,478.66	3,243.23	2,687.29	555.94	5.834		
17,900.00	7,875.00	18,015.96	7,950.00	277.94	283.41	90.60	3,019.71	-10,578.66	3,243.27	2,681.97	561.30	5.778		
18,000.00	7,875.00	18,115.96	7,950.00	280.62	286.09	90.60	3,019.70	-10,678.66	3,243.30	2,676.64	566.66	5.724		
18,100.00	7,875.00	18,215.96	7,950.00	283.30	288.76	90.60	3,019.68	-10,778.66	3,243.34	2,671.32	572.02	5.670		
18,200.00	7,875.00	18,315.96	7,950.00	285.98	291.44	90.60	3,019.66	-10,878.66	3,243.37	2,666.00	577.37	5.617		
18,300.00	7,875.00	18,415.96	7,950.00	288.66	294.12	90.60	3,019.65	-10,978.66	3,243.40	2,660.67	582.73	5.566		
18,400.00	7,875.00	18,515.96	7,950.00	291.35	296.79	90.60	3,019.63	-11,078.66	3,243.44	2,655.35	588.09	5.515		
18,500.00	7,875.00	18,615.96	7,950.00	294.03	299.47	90.60	3,019.62	-11,178.66	3,243.47	2,650.02	593.45	5.465		
18,600.00	7,875.00	18,715.96	7,950.00	296.71	302.15	90.60	3,019.60	-11,278.66	3,243.51	2,644.70	598.81	5.417		
18,700.00	7,875.00	18,815.96	7,950.00	299.39	304.83	90.60	3,019.59	-11,378.66	3,243.54	2,639.37	604.17	5.369		
18,800.00	7,875.00	18,915.96	7,950.00	302.08	307.50	90.60	3,019.57	-11,478.66	3,243.58	2,634.04	609.53	5.321		
18,900.00	7,875.00	19,015.96	7,950.00	304.76	310.18	90.60	3,019.55	-11,578.66	3,243.61	2,628.72	614.89	5.275		
19,000.00	7,875.00	19,115.96	7,950.00	307.44	312.86	90.60	3,019.54	-11,678.66	3,243.64	2,623.39	620.25	5.230		
19,100.00	7,875.00	19,215.96	7,950.00	310.13	315.54	90.60	3,019.52	-11,778.66	3,243.68	2,618.06	625.62	5.185		
19,200.00	7,875.00	19,315.96	7,950.00	312.81	318.22	90.60	3,019.51	-11,878.66	3,243.71	2,612.73	630.98	5.141		
19,300.00	7,875.00	19,415.96	7,950.00	315.49	320.90	90.60	3,019.49	-11,978.66	3,243.75	2,607.40	636.34	5.097		
19,400.00	7,875.00	19,515.96	7,950.00	318.18	323.58	90.60	3,019.47	-12,078.66	3,243.78	2,602.08	641.70	5.055		
19,500.00	7,875.00	19,615.96	7,950.00	320.86	326.26	90.60	3,019.46	-12,178.66	3,243.81	2,596.75	647.07	5.013		
19,600.00	7,875.00	19,715.96	7,950.00	323.54	328.94	90.60	3,019.44	-12,278.66	3,243.85	2,591.42	652.43	4.972		
19,700.00	7,875.00	19,815.96	7,950.00	326.23	331.62	90.60	3,019.43	-12,378.66	3,243.88	2,586.09	657.79	4.931		
19,800.00	7,875.00	19,915.96	7,950.00	328.91	334.30	90.60	3,019.41	-12,478.66	3,243.92	2,580.76	663.16	4.892		
19,900.00	7,875.00	20,015.96	7,950.00	331.60	336.98	90.60	3,019.40	-12,578.66	3,243.95	2,575.43	668.52	4.852		
20,000.00	7,875.00	20,115.96	7,950.00	334.28	339.66	90.60	3,019.38	-12,678.66	3,243.98	2,570.10	673.89	4.814		
20,100.00	7,875.00	20,215.96	7,950.00	336.97	342.34	90.60	3,019.36	-12,778.66	3,244.02	2,564.77	679.25	4.776		
20,200.00	7,875.00	20,315.96	7,950.00	339.65	345.02	90.60	3,019.35	-12,878.66	3,244.05	2,559.44	684.62	4.738		
20,300.00	7,875.00	20,415.96	7,950.00	342.34	347.70	90.60	3,019.33	-12,978.66	3,244.09	2,554.11	689.98	4.702		
20,400.00	7,875.00	20,515.96	7,950.00	345.02	350.38	90.60	3,019.32	-13,078.66	3,244.12	2,548.77	695.35	4.665		
20,500.00	7,875.00	20,615.96	7,950.00	347.71	353.06	90.60	3,019.30	-13,178.66	3,244.15	2,543.44	700.71	4.630		
20,600.00	7,875.00	20,715.96	7,950.00	350.39	355.74	90.60	3,019.28	-13,278.66	3,244.19	2,538.11	706.08	4.595		
20,700.00	7,875.00	20,815.96	7,950.00	353.08	358.42	90.60	3,019.27	-13,378.66	3,244.22	2,532.78	711.44	4.560		
20,800.00	7,875.00	20,915.96	7,950.00	355.76	361.10	90.60	3,019.25	-13,478.66	3,244.26	2,527.45	716.81	4.526		
20,900.00	7,875.00	21,015.96	7,950.00	358.45	363.79	90.60	3,019.24	-13,578.66	3,244.29	2,522.11	722.18	4.492		
21,000.00	7,875.00	21,115.96	7,950.00	361.13	366.47	90.60	3,019.22	-13,678.66	3,244.33	2,516.78	727.55	4.459		
21,100.00	7,875.00	21,215.96	7,950.00	363.82	369.15	90.60	3,019.21	-13,778.66	3,244.36	2,511.45	732.91	4.427		
21,200.00	7,875.00	21,315.96	7,950.00	366.50	371.83	90.60	3,019.19	-13,878.66	3,244.39	2,506.11	738.28	4.395		
21,300.00	7,875.00	21,415.96	7,950.00	369.19	374.52	90.60	3,019.17	-13,978.66	3,244.43	2,500.78	743.65	4.363		
21,400.00	7,875.00	21,515.96	7,950.00	371.87	377.20	90.60	3,019.16	-14,078.66	3,244.46	2,495.45	749.02	4.332		
21,500.00	7,875.00	21,615.96	7,950.00	374.56	379.88	90.60	3,019.14	-14,178.66	3,244.50	2,490.11	754.38	4.301		
21,600.00	7,875.00	21,715.96	7,950.00	377.25	382.56	90.60	3,019.13	-14,278.66	3,244.53	2,484.78	759.75	4.271		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG, 2122-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
21,700.00	7,875.00	21,815.96	7,950.00	379.93	385.25	90.60	3,019.11	-14,378.66	3,244.56	2,479.44	765.12	4.241	
21,800.00	7,875.00	21,915.96	7,950.00	382.62	387.93	90.60	3,019.09	-14,478.66	3,244.60	2,474.11	770.49	4.211	
21,900.00	7,875.00	22,015.96	7,950.00	385.30	390.61	90.60	3,019.08	-14,578.66	3,244.63	2,468.78	775.86	4.182	
22,000.00	7,875.00	22,115.96	7,950.00	387.99	393.30	90.60	3,019.06	-14,678.66	3,244.67	2,463.44	781.23	4.153	
22,100.00	7,875.00	22,215.96	7,950.00	390.68	395.98	90.60	3,019.05	-14,778.66	3,244.70	2,458.11	786.59	4.125	
22,200.00	7,875.00	22,315.96	7,950.00	393.36	398.66	90.60	3,019.03	-14,878.66	3,244.73	2,452.77	791.96	4.097	
22,300.00	7,875.00	22,415.96	7,950.00	396.05	401.35	90.60	3,019.02	-14,978.66	3,244.77	2,447.43	797.33	4.070	
22,400.00	7,875.00	22,515.96	7,950.00	398.73	404.03	90.60	3,019.00	-15,078.66	3,244.80	2,442.10	802.70	4.042	
22,500.00	7,875.00	22,615.96	7,950.00	401.42	406.71	90.60	3,018.98	-15,178.66	3,244.84	2,436.76	808.07	4.016	
22,600.00	7,875.00	22,715.96	7,950.00	404.11	409.40	90.60	3,018.97	-15,278.66	3,244.87	2,431.43	813.44	3.989	
22,700.00	7,875.00	22,815.96	7,950.00	406.79	412.08	90.60	3,018.95	-15,378.66	3,244.90	2,426.09	818.81	3.963	
22,800.00	7,875.00	22,915.96	7,950.00	409.48	414.76	90.60	3,018.94	-15,478.66	3,244.94	2,420.76	824.18	3.937	
22,900.00	7,875.00	23,015.96	7,950.00	412.17	417.45	90.60	3,018.92	-15,578.66	3,244.97	2,415.42	829.55	3.912	
23,000.00	7,875.00	23,115.96	7,950.00	414.85	420.13	90.60	3,018.90	-15,678.66	3,245.01	2,410.08	834.92	3.887	
23,100.00	7,875.00	23,215.96	7,950.00	417.54	422.82	90.60	3,018.89	-15,778.66	3,245.04	2,404.75	840.29	3.862	
23,186.11	7,875.00	23,302.06	7,950.00	419.85	425.13	90.60	3,018.87	-15,864.77	3,245.07	2,400.15	844.92	3.841 ES, SF	

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													SEC 21-T4S-R65W - GRANDE 4-65 20-19 2AH - OWB - PROPOSAL 1		Offset Site Error: 0.00 usft	
Survey Program: 29-MWD OWSG, 2165-MWD OWSG													Offset Well Error: 0.00 usft			
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor				
0.00	0.00	42.99	42.99	0.00	0.06	6.45	3,088.95	349.05	3,108.61							
29.38	29.38	67.27	67.27	0.01	0.15	131.17	3,088.99	348.84	3,108.66	3,108.51	0.16	N/A				
59.94	59.94	90.68	90.68	0.12	0.23	109.20	3,089.03	348.61	3,108.76	3,108.41	0.35	8,907.234				
90.50	90.50	111.80	111.79	0.23	0.31	140.52	3,089.13	348.42	3,108.99	3,108.46	0.53	5,818.793				
121.06	121.06	159.34	159.33	0.34	0.48	143.32	3,089.41	347.92	3,109.41	3,108.59	0.81	3,823.293				
151.62	151.62	186.26	186.24	0.45	0.57	109.01	3,089.52	347.20	3,109.67	3,108.65	1.02	3,051.810				
212.74	212.73	234.40	234.38	0.67	0.74	129.34	3,089.75	346.87	3,110.27	3,108.86	1.41	2,213.144				
273.86	273.84	306.30	306.28	0.89	0.99	113.00	3,090.01	346.85	3,110.92	3,109.04	1.88	1,656.095				
316.51	316.48	338.14	338.12	1.04	1.11	116.36	3,090.17	346.63	3,111.48	3,109.33	2.15	1,449.905				
359.16	359.12	371.78	371.75	1.19	1.23	120.63	3,090.50	346.02	3,112.39	3,109.97	2.42	1,285.659				
401.81	401.74	411.88	411.83	1.35	1.37	124.07	3,091.01	344.99	3,113.68	3,110.96	2.72	1,144.776				
444.46	444.34	462.16	462.09	1.51	1.55	119.99	3,091.64	343.50	3,115.14	3,112.09	3.06	1,019.392				
487.11	486.92	593.93	593.73	1.66	2.03	119.97	3,091.13	338.14	3,115.84	3,112.16	3.68	845.837				
529.76	529.49	619.93	619.70	1.82	2.12	118.55	3,090.79	336.84	3,116.36	3,112.43	3.93	792.110				
572.41	572.04	650.57	650.31	1.98	2.23	119.23	3,090.54	335.36	3,117.15	3,112.95	4.20	741.796				
615.06	614.59	680.12	679.83	2.14	2.34	116.22	3,090.37	334.17	3,118.07	3,113.60	4.47	698.104				
657.71	657.13	704.62	704.32	2.30	2.43	115.87	3,090.35	333.24	3,119.21	3,114.50	4.71	661.798				
700.36	699.68	741.55	741.21	2.46	2.56	119.28	3,090.51	331.72	3,120.58	3,115.57	5.01	623.443				
743.01	742.23	809.39	808.98	2.61	2.81	120.24	3,090.59	328.52	3,121.79	3,116.38	5.41	577.060				
785.66	784.78	847.40	846.94	2.77	2.95	124.67	3,090.51	326.63	3,123.06	3,117.35	5.71	547.265				
828.31	827.31	878.46	877.96	2.94	3.06	125.81	3,090.54	325.00	3,124.67	3,118.70	5.98	522.604				
870.96	869.88	904.06	903.52	3.09	3.16	126.11	3,090.67	323.74	3,126.22	3,119.99	6.23	501.867				
913.61	912.48	983.23	982.63	3.25	3.45	132.71	3,090.93	320.55	3,127.51	3,120.84	6.67	468.753				
956.26	955.09	1,013.87	1,013.24	3.41	3.56	135.09	3,090.84	319.42	3,128.54	3,121.60	6.94	450.939				
998.91	997.69	1,056.81	1,056.16	3.56	3.71	135.37	3,090.78	317.86	3,129.71	3,122.46	7.25	431.787				
1,041.56	1,040.31	1,110.41	1,109.72	3.72	3.91	135.55	3,090.61	315.67	3,130.61	3,123.01	7.60	412.080				
1,084.21	1,082.93	1,152.01	1,151.28	3.87	4.06	138.70	3,090.41	314.05	3,131.19	3,123.29	7.90	396.292				
1,126.86	1,125.57	1,189.39	1,188.63	4.03	4.20	134.74	3,090.29	312.50	3,131.78	3,123.59	8.19	382.378				
1,169.51	1,168.19	1,228.27	1,227.47	4.18	4.34	138.93	3,090.23	310.74	3,132.53	3,124.04	8.49	369.158				
1,212.16	1,210.82	1,260.39	1,259.57	4.34	4.45	146.83	3,090.24	309.45	3,133.44	3,124.69	8.76	357.894				
1,254.81	1,253.45	1,306.10	1,305.26	4.49	4.62	158.91	3,090.28	308.10	3,134.42	3,125.35	9.07	345.501				
1,297.46	1,296.09	1,341.13	1,340.27	4.64	4.75	157.61	3,090.28	307.27	3,135.34	3,125.99	9.35	335.372				
1,340.11	1,338.72	1,382.09	1,381.23	4.79	4.89	162.04	3,090.36	306.49	3,136.35	3,126.71	9.65	325.117				
1,382.76	1,381.36	1,432.25	1,431.37	4.95	5.07	149.75	3,090.40	305.41	3,137.39	3,127.41	9.98	314.404				
1,425.41	1,423.99	1,462.55	1,461.67	5.10	5.18	134.67	3,090.42	304.76	3,138.30	3,128.06	10.24	306.466				
1,468.06	1,466.62	1,497.56	1,496.67	5.26	5.31	129.41	3,090.63	303.98	3,139.33	3,128.81	10.52	298.423				
1,510.71	1,509.24	1,551.90	1,551.00	5.41	5.50	133.09	3,090.85	302.75	3,140.34	3,129.47	10.87	288.903				
1,553.36	1,551.88	1,591.88	1,590.96	5.56	5.65	152.29	3,090.93	301.82	3,141.17	3,130.00	11.17	281.303				
1,596.01	1,594.52	1,627.87	1,626.95	5.72	5.78	148.46	3,091.08	301.02	3,141.97	3,130.53	11.45	274.476				
1,638.66	1,637.16	1,672.97	1,672.04	5.87	5.94	141.41	3,091.26	300.66	3,142.70	3,130.94	11.76	267.241				
1,681.31	1,679.81	1,720.96	1,720.03	6.02	6.11	157.93	3,091.29	300.57	3,143.21	3,131.13	12.08	260.163				
1,723.96	1,722.45	1,764.20	1,763.27	6.17	6.26	146.97	3,091.32	300.42	3,143.84	3,131.45	12.39	253.799				
1,766.61	1,765.10	1,815.46	1,814.53	6.33	6.44	151.34	3,091.28	300.26	3,144.44	3,131.71	12.72	247.183				
1,809.26	1,807.74	1,872.41	1,871.48	6.48	6.64	149.14	3,091.00	300.26	3,144.79	3,131.73	13.07	240.660				
1,851.91	1,850.39	1,905.72	1,904.79	6.63	6.75	137.63	3,090.80	300.40	3,145.18	3,131.85	13.33	235.991				
1,894.56	1,893.03	1,951.82	1,950.89	6.78	6.90	135.08	3,090.58	300.44	3,145.57	3,131.94	13.64	230.697				
1,937.21	1,935.67	2,014.05	2,013.11	6.94	7.11	133.97	3,090.04	300.57	3,145.71	3,131.71	14.00	224.732				
1,979.86	1,978.32	2,069.38	2,068.44	7.09	7.30	133.16	3,089.23	300.73	3,145.54	3,131.21	14.34	219.424				
2,022.51	2,020.96	2,112.55	2,111.61	7.24	7.44	144.64	3,088.50	301.07	3,145.36	3,130.73	14.63	214.963				
2,065.16	2,063.61	2,151.17	2,150.21	7.40	7.57	142.66	3,087.88	301.25	3,145.28	3,130.36	14.91	210.888				
2,078.04	2,076.48	2,168.13	2,161.27	7.44	7.63	148.83	3,087.72	301.29	3,145.27	3,130.25	15.02	209.440				
2,107.81	2,106.25	2,192.00	2,191.04	7.55	7.71	162.76	3,087.29	301.37	3,145.30	3,130.09	15.20	206.868				

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 2AH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG, 2165-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
2,150.46	2,148.89	2,298.46	2,297.48	7.70	8.08	162.64	3,085.05	300.86	3,145.26	3,129.54	15.72	200.096		
2,205.46	2,203.89	2,594.33	2,592.08	7.80	9.16	162.41	3,065.38	284.19	3,142.19	3,125.37	16.82	186.789		
2,300.00	2,298.37	2,778.77	2,773.98	7.82	9.88	131.48	3,043.59	262.96	3,131.59	3,114.11	17.48	179.124		
2,340.72	2,339.03	2,819.17	2,813.74	7.83	10.04	127.83	3,038.51	257.95	3,127.31	3,109.67	17.65	177.207		
2,400.00	2,398.21	2,878.03	2,871.68	7.86	10.28	127.76	3,031.10	250.66	3,121.27	3,103.38	17.90	174.415		
2,500.00	2,498.02	2,977.32	2,969.41	7.92	10.68	127.65	3,018.61	238.37	3,111.09	3,092.76	18.33	169.727		
2,600.00	2,597.84	3,076.60	3,067.14	7.99	11.09	127.54	3,006.11	226.07	3,100.92	3,082.14	18.78	165.087		
2,700.00	2,697.65	3,175.89	3,164.86	8.09	11.51	127.42	2,993.62	213.77	3,090.77	3,071.51	19.26	160.510		
2,800.00	2,797.47	3,275.18	3,262.59	8.20	11.93	127.30	2,981.13	201.48	3,080.62	3,060.88	19.75	156.011		
2,900.00	2,897.29	3,374.46	3,360.32	8.32	12.35	127.19	2,968.64	189.18	3,070.49	3,050.24	20.25	151.602		
3,000.00	2,997.10	3,473.75	3,458.05	8.46	12.77	127.07	2,956.14	176.88	3,060.38	3,039.60	20.78	147.292		
3,100.00	3,096.92	3,573.04	3,555.78	8.61	13.20	126.95	2,943.65	164.59	3,050.27	3,028.95	21.32	143.090		
3,200.00	3,196.73	3,672.33	3,653.50	8.78	13.63	126.83	2,931.16	152.29	3,040.18	3,018.31	21.87	139.001		
3,300.00	3,296.55	3,771.61	3,751.23	8.96	14.06	126.71	2,918.67	139.99	3,030.10	3,007.66	22.44	135.032		
3,400.00	3,396.37	3,870.90	3,848.96	9.15	14.50	126.59	2,906.17	127.70	3,020.04	2,997.01	23.02	131.183		
3,500.00	3,496.18	3,970.19	3,946.69	9.35	14.94	126.47	2,893.68	115.40	3,009.98	2,986.37	23.62	127.458		
3,600.00	3,596.00	4,069.48	4,044.41	9.56	15.37	126.34	2,881.19	103.10	2,999.95	2,975.73	24.22	123.856		
3,700.00	3,695.81	4,168.76	4,142.14	9.78	15.81	126.22	2,868.69	90.80	2,989.92	2,965.09	24.84	120.378		
3,800.00	3,795.63	4,268.05	4,239.87	10.01	16.26	126.09	2,856.20	78.51	2,979.91	2,954.45	25.46	117.022		
3,900.00	3,895.45	4,367.34	4,337.60	10.25	16.70	125.97	2,843.71	66.21	2,969.92	2,943.82	26.10	113.785		
4,000.00	3,995.26	4,466.62	4,435.32	10.50	17.14	125.84	2,831.22	53.91	2,959.94	2,933.19	26.75	110.666		
4,100.00	4,095.08	4,565.91	4,533.05	10.76	17.59	125.72	2,818.72	41.62	2,949.97	2,922.57	27.40	107.662		
4,200.00	4,194.89	4,665.20	4,630.78	11.02	18.04	125.59	2,806.23	29.32	2,940.02	2,911.95	28.06	104.768		
4,300.00	4,294.71	4,764.49	4,728.51	11.28	18.48	125.46	2,793.74	17.02	2,930.08	2,901.35	28.73	101.982		
4,400.00	4,394.53	4,863.77	4,826.23	11.56	18.93	125.33	2,781.24	4.73	2,920.15	2,890.75	29.41	99.301		
4,500.00	4,494.34	4,963.06	4,923.96	11.84	19.38	125.20	2,768.75	-7.57	2,910.25	2,880.16	30.09	96.719		
4,600.00	4,594.16	5,062.35	5,021.69	12.12	19.83	125.07	2,756.26	-19.87	2,900.35	2,869.57	30.78	94.234		
4,700.00	4,693.97	5,161.64	5,119.42	12.41	20.29	124.94	2,743.77	-32.16	2,890.47	2,859.00	31.47	91.841		
4,800.00	4,793.79	5,260.92	5,217.14	12.70	20.74	124.80	2,731.27	-44.46	2,880.61	2,848.44	32.17	89.538		
4,900.00	4,893.61	5,360.21	5,314.87	13.00	21.19	124.67	2,718.78	-56.76	2,870.77	2,837.89	32.88	87.319		
5,000.00	4,993.42	5,459.50	5,412.60	13.30	21.64	124.53	2,706.29	-69.05	2,860.93	2,827.35	33.59	85.182		
5,100.00	5,093.24	5,558.79	5,510.33	13.61	22.10	124.40	2,693.79	-81.35	2,851.12	2,816.82	34.30	83.123		
5,200.00	5,193.06	5,658.07	5,608.06	13.92	22.55	124.26	2,681.30	-93.65	2,841.32	2,806.30	35.02	81.139		
5,300.00	5,292.87	5,757.36	5,705.78	14.23	23.01	124.12	2,668.81	-105.94	2,831.54	2,795.80	35.74	79.226		
5,400.00	5,392.69	5,856.65	5,803.51	14.54	23.46	123.98	2,656.32	-118.24	2,821.77	2,785.30	36.47	77.381		
5,500.00	5,492.50	5,955.93	5,901.24	14.86	23.92	123.84	2,643.82	-130.54	2,812.02	2,774.83	37.20	75.602		
5,600.00	5,592.32	6,055.22	5,998.97	15.18	24.38	123.70	2,631.33	-142.84	2,802.29	2,764.36	37.93	73.884		
5,700.00	5,692.14	6,154.51	6,096.69	15.50	24.83	123.56	2,618.84	-155.13	2,792.57	2,753.91	38.66	72.222		
5,800.00	5,791.95	6,253.80	6,194.42	15.83	25.29	123.42	2,606.35	-167.43	2,782.87	2,743.47	39.40	70.625		
5,900.00	5,891.77	6,353.08	6,292.15	16.16	25.75	123.28	2,593.85	-179.73	2,773.19	2,733.04	40.15	69.079		
6,000.00	5,991.58	6,452.37	6,389.88	16.48	26.21	123.13	2,581.36	-192.02	2,763.53	2,722.64	40.89	67.584		
6,100.00	6,091.40	6,551.66	6,487.60	16.81	26.66	122.98	2,568.87	-204.32	2,753.88	2,712.24	41.64	66.139		
6,200.00	6,191.22	6,650.95	6,585.33	17.15	27.12	122.84	2,556.37	-216.62	2,744.25	2,701.86	42.39	64.741		
6,300.00	6,291.03	6,750.23	6,683.06	17.48	27.58	122.69	2,543.88	-228.91	2,734.64	2,691.50	43.14	63.389		
6,400.00	6,390.85	6,849.52	6,780.79	17.82	28.04	122.54	2,531.39	-241.21	2,725.05	2,681.15	43.90	62.080		
6,500.00	6,490.66	6,948.81	6,878.51	18.15	28.50	122.39	2,518.90	-253.51	2,715.47	2,670.82	44.65	60.813		
6,600.00	6,590.48	7,048.10	6,976.24	18.49	28.96	122.24	2,506.40	-265.80	2,705.92	2,660.51	45.41	59.585		
6,700.00	6,690.30	7,147.38	7,073.97	18.83	29.42	122.09	2,493.91	-278.10	2,696.38	2,650.21	46.17	58.396		
6,800.00	6,790.11	7,246.67	7,171.70	19.17	29.88	121.94	2,481.42	-290.40	2,686.86	2,639.93	46.94	57.243		
6,900.00	6,889.93	7,345.96	7,269.43	19.52	30.34	121.78	2,468.92	-302.69	2,677.36	2,629.66	47.70	56.125		
7,000.00	6,989.74	7,445.24	7,367.15	19.86	30.80	121.63	2,456.43	-314.99	2,667.89	2,619.41	48.47	55.041		
7,100.00	7,089.56	7,540.82	7,460.13	20.21	31.29	121.48	2,444.54	-333.11	2,658.49	2,609.20	49.28	53.946		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 2AH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG, 2165-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
7,200.00	7,189.38	7,629.58	7,542.73	20.55	31.81	120.77	2,433.98	-363.58	2,649.44	2,599.27	50.18	52.800		
7,300.00	7,289.19	7,708.71	7,611.65	20.90	32.34	120.03	2,425.17	-401.31	2,641.21	2,590.09	51.12	51.664		
7,342.81	7,331.92	7,739.33	7,636.84	21.05	32.56	119.68	2,421.95	-418.42	2,638.07	2,586.53	51.53	51.193		
7,350.00	7,339.10	7,744.30	7,640.84	21.07	32.60	114.41	2,421.43	-421.33	2,637.56	2,585.96	51.60	51.116		
7,400.00	7,388.77	7,778.48	7,667.65	21.26	32.86	99.91	2,418.00	-442.24	2,634.21	2,582.11	52.09	50.569		
7,450.00	7,437.78	7,812.05	7,692.73	21.46	33.13	95.61	2,414.79	-464.30	2,631.09	2,578.49	52.60	50.019		
7,500.00	7,485.76	7,845.09	7,716.13	21.68	33.40	93.57	2,411.80	-487.44	2,628.22	2,575.09	53.13	49.467		
7,550.00	7,532.34	7,877.68	7,737.88	21.91	33.69	92.37	2,409.02	-511.55	2,625.58	2,571.90	53.69	48.906		
7,600.00	7,577.17	7,909.89	7,757.99	22.16	33.98	91.57	2,406.44	-536.56	2,623.18	2,568.92	54.26	48.344		
7,650.00	7,619.91	7,941.76	7,776.50	22.44	34.28	91.01	2,404.07	-562.39	2,621.00	2,566.14	54.86	47.775		
7,700.00	7,660.24	7,973.35	7,793.41	22.74	34.59	90.58	2,401.91	-588.98	2,619.04	2,563.54	55.50	47.192		
7,750.00	7,697.84	8,000.00	7,806.52	23.07	34.86	90.29	2,400.23	-612.12	2,617.30	2,561.20	56.10	46.657		
7,800.00	7,732.43	8,035.81	7,822.44	23.43	35.25	89.99	2,398.19	-644.13	2,615.76	2,558.88	56.88	45.990		
7,850.00	7,763.75	8,066.76	7,834.58	23.84	35.59	89.77	2,396.63	-672.55	2,614.42	2,556.78	57.64	45.361		
7,900.00	7,791.55	8,100.00	7,845.89	24.29	35.98	89.59	2,395.18	-703.77	2,613.28	2,554.80	58.48	44.686		
7,950.00	7,815.64	8,128.22	7,854.08	24.79	36.32	89.46	2,394.13	-730.75	2,612.33	2,553.01	59.32	44.041		
8,000.00	7,835.81	8,158.78	7,861.45	25.35	36.70	89.34	2,393.18	-760.39	2,611.56	2,551.32	60.24	43.352		
8,050.00	7,851.93	8,189.26	7,867.22	25.96	37.08	89.25	2,392.44	-790.31	2,610.98	2,549.75	61.23	42.643		
8,100.00	7,863.86	8,219.68	7,871.40	26.62	37.48	89.18	2,391.90	-820.43	2,610.57	2,548.30	62.27	41.922		
8,150.00	7,871.52	8,250.00	7,873.99	27.33	37.89	89.14	2,391.57	-850.63	2,610.34	2,546.98	63.36	41.196		
8,200.00	7,874.85	8,284.16	7,875.00	28.07	38.35	89.11	2,391.43	-884.77	2,610.29	2,545.71	64.57	40.425		
8,203.15	7,874.91	8,284.16	7,875.00	28.12	38.35	89.11	2,391.43	-884.77	2,610.28	2,545.67	64.61	40.401 CC		
8,213.19	7,875.00	8,291.14	7,875.00	28.27	38.45	89.10	2,391.43	-891.75	2,610.29	2,545.43	64.86	40.245		
8,300.00	7,875.00	8,377.95	7,875.00	29.67	39.71	89.10	2,391.42	-978.56	2,610.32	2,542.68	67.64	38.590		
8,400.00	7,875.00	8,477.95	7,875.00	31.43	41.27	89.10	2,391.40	-1,078.56	2,610.35	2,539.27	71.09	36.721		
8,500.00	7,875.00	8,577.95	7,875.00	33.31	42.96	89.10	2,391.39	-1,178.56	2,610.39	2,535.63	74.76	34.916		
8,600.00	7,875.00	8,677.95	7,875.00	35.29	44.74	89.10	2,391.37	-1,278.56	2,610.42	2,531.79	78.63	33.197		
8,700.00	7,875.00	8,777.95	7,875.00	37.37	46.61	89.10	2,391.35	-1,378.56	2,610.46	2,527.78	82.68	31.575		
8,800.00	7,875.00	8,877.95	7,875.00	39.52	48.57	89.10	2,391.34	-1,478.56	2,610.49	2,523.63	86.86	30.053		
8,900.00	7,875.00	8,977.95	7,875.00	41.73	50.59	89.10	2,391.32	-1,578.56	2,610.52	2,519.35	91.18	28.632		
9,000.00	7,875.00	9,077.95	7,875.00	44.00	52.68	89.10	2,391.31	-1,678.56	2,610.56	2,514.96	95.60	27.308		
9,100.00	7,875.00	9,177.95	7,875.00	46.32	54.82	89.10	2,391.29	-1,778.56	2,610.59	2,510.48	100.11	26.077		
9,200.00	7,875.00	9,277.95	7,875.00	48.67	57.01	89.10	2,391.27	-1,878.56	2,610.63	2,505.92	104.71	24.933		
9,300.00	7,875.00	9,377.95	7,875.00	51.05	59.24	89.10	2,391.26	-1,978.56	2,610.66	2,501.29	109.37	23.869		
9,400.00	7,875.00	9,477.95	7,875.00	53.47	61.51	89.10	2,391.24	-2,078.56	2,610.69	2,496.59	114.10	22.880		
9,500.00	7,875.00	9,577.95	7,875.00	55.91	63.81	89.10	2,391.23	-2,178.56	2,610.73	2,491.84	118.89	21.960		
9,600.00	7,875.00	9,677.95	7,875.00	58.37	66.15	89.10	2,391.21	-2,278.56	2,610.76	2,487.04	123.72	21.102		
9,700.00	7,875.00	9,777.95	7,875.00	60.85	68.51	89.10	2,391.20	-2,378.56	2,610.80	2,482.20	128.60	20.302		
9,800.00	7,875.00	9,877.95	7,875.00	63.35	70.89	89.10	2,391.18	-2,478.56	2,610.83	2,477.32	133.51	19.555		
9,900.00	7,875.00	9,977.95	7,875.00	65.86	73.30	89.10	2,391.16	-2,578.56	2,610.86	2,472.40	138.46	18.856		
10,000.00	7,875.00	10,077.95	7,875.00	68.39	75.73	89.10	2,391.15	-2,678.56	2,610.90	2,467.46	143.44	18.202		
10,100.00	7,875.00	10,177.95	7,875.00	70.93	78.17	89.10	2,391.13	-2,778.56	2,610.93	2,462.48	148.45	17.588		
10,200.00	7,875.00	10,277.95	7,875.00	73.48	80.63	89.10	2,391.12	-2,878.56	2,610.97	2,457.48	153.48	17.011		
10,300.00	7,875.00	10,377.95	7,875.00	76.04	83.11	89.10	2,391.10	-2,978.56	2,611.00	2,452.46	158.54	16.469		
10,400.00	7,875.00	10,477.95	7,875.00	78.61	85.59	89.10	2,391.08	-3,078.56	2,611.04	2,447.42	163.62	15.958		
10,500.00	7,875.00	10,577.95	7,875.00	81.19	88.09	89.10	2,391.07	-3,178.56	2,611.07	2,442.36	168.71	15.476		
10,600.00	7,875.00	10,677.95	7,875.00	83.77	90.60	89.10	2,391.05	-3,278.56	2,611.10	2,437.28	173.83	15.021		
10,700.00	7,875.00	10,777.95	7,875.00	86.36	93.13	89.10	2,391.04	-3,378.56	2,611.14	2,432.18	178.95	14.591		
10,800.00	7,875.00	10,877.95	7,875.00	88.96	95.66	89.10	2,391.02	-3,478.56	2,611.17	2,427.07	184.10	14.184		
10,900.00	7,875.00	10,977.95	7,875.00	91.56	98.20	89.10	2,391.00	-3,578.56	2,611.21	2,421.95	189.25	13.797		
11,000.00	7,875.00	11,077.95	7,875.00	94.17	100.74	89.10	2,390.99	-3,678.56	2,611.24	2,416.82	194.42	13.431		
11,100.00	7,875.00	11,177.95	7,875.00	96.78	103.30	89.10	2,390.97	-3,778.56	2,611.27	2,411.67	199.60	13.083		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 2AH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG, 2165-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
11,200.00	7,875.00	11,277.95	7,875.00	99.39	105.86	89.10	2,390.96	-3,878.56	2,611.31	2,406.52	204.79	12.751		
11,300.00	7,875.00	11,377.95	7,875.00	102.01	108.43	89.10	2,390.94	-3,978.56	2,611.34	2,401.35	209.99	12.436		
11,400.00	7,875.00	11,477.95	7,875.00	104.64	111.00	89.10	2,390.93	-4,078.56	2,611.38	2,396.18	215.20	12.135		
11,500.00	7,875.00	11,577.95	7,875.00	107.26	113.58	89.10	2,390.91	-4,178.56	2,611.41	2,391.00	220.41	11.848		
11,600.00	7,875.00	11,677.95	7,875.00	109.89	116.17	89.10	2,390.89	-4,278.56	2,611.44	2,385.81	225.64	11.574		
11,700.00	7,875.00	11,777.95	7,875.00	112.52	118.76	89.10	2,390.88	-4,378.56	2,611.48	2,380.61	230.87	11.312		
11,800.00	7,875.00	11,877.95	7,875.00	115.16	121.35	89.10	2,390.86	-4,478.56	2,611.51	2,375.41	236.11	11.061		
11,900.00	7,875.00	11,977.95	7,875.00	117.80	123.95	89.10	2,390.85	-4,578.56	2,611.55	2,370.20	241.35	10.821		
12,000.00	7,875.00	12,077.95	7,875.00	120.44	126.55	89.10	2,390.83	-4,678.56	2,611.58	2,364.98	246.60	10.590		
12,100.00	7,875.00	12,177.95	7,875.00	123.08	129.16	89.10	2,390.81	-4,778.56	2,611.61	2,359.76	251.86	10.369		
12,200.00	7,875.00	12,277.95	7,875.00	125.73	131.77	89.10	2,390.80	-4,878.56	2,611.65	2,354.53	257.12	10.157		
12,300.00	7,875.00	12,377.95	7,875.00	128.37	134.38	89.10	2,390.78	-4,978.56	2,611.68	2,349.30	262.38	9.954		
12,400.00	7,875.00	12,477.95	7,875.00	131.02	137.00	89.10	2,390.77	-5,078.56	2,611.72	2,344.06	267.65	9.758		
12,500.00	7,875.00	12,577.95	7,875.00	133.67	139.62	89.10	2,390.75	-5,178.56	2,611.75	2,338.82	272.93	9.569		
12,600.00	7,875.00	12,677.95	7,875.00	136.32	142.24	89.10	2,390.74	-5,278.56	2,611.79	2,333.58	278.21	9.388		
12,700.00	7,875.00	12,777.95	7,875.00	138.97	144.86	89.10	2,390.72	-5,378.56	2,611.82	2,328.33	283.49	9.213		
12,800.00	7,875.00	12,877.95	7,875.00	141.63	147.49	89.10	2,390.70	-5,478.56	2,611.85	2,323.08	288.78	9.045		
12,900.00	7,875.00	12,977.95	7,875.00	144.28	150.12	89.10	2,390.69	-5,578.56	2,611.89	2,317.82	294.07	8.882		
13,000.00	7,875.00	13,077.95	7,875.00	146.94	152.75	89.10	2,390.67	-5,678.56	2,611.92	2,312.56	299.36	8.725		
13,100.00	7,875.00	13,177.95	7,875.00	149.60	155.38	89.10	2,390.66	-5,778.56	2,611.96	2,307.30	304.66	8.573		
13,200.00	7,875.00	13,277.95	7,875.00	152.26	158.01	89.10	2,390.64	-5,878.56	2,611.99	2,302.04	309.95	8.427		
13,300.00	7,875.00	13,377.95	7,875.00	154.92	160.65	89.11	2,390.62	-5,978.56	2,612.02	2,296.77	315.26	8.285		
13,400.00	7,875.00	13,477.95	7,875.00	157.58	163.29	89.11	2,390.61	-6,078.56	2,612.06	2,291.50	320.56	8.148		
13,500.00	7,875.00	13,577.95	7,875.00	160.24	165.93	89.11	2,390.59	-6,178.56	2,612.09	2,286.22	325.87	8.016		
13,600.00	7,875.00	13,677.95	7,875.00	162.91	168.57	89.11	2,390.58	-6,278.56	2,612.13	2,280.95	331.18	7.887		
13,700.00	7,875.00	13,777.95	7,875.00	165.57	171.22	89.11	2,390.56	-6,378.56	2,612.16	2,275.67	336.49	7.763		
13,800.00	7,875.00	13,877.95	7,875.00	168.24	173.86	89.11	2,390.55	-6,478.56	2,612.19	2,270.39	341.80	7.642		
13,900.00	7,875.00	13,977.95	7,875.00	170.90	176.51	89.11	2,390.53	-6,578.56	2,612.23	2,265.11	347.12	7.525		
14,000.00	7,875.00	14,077.95	7,875.00	173.57	179.16	89.11	2,390.51	-6,678.56	2,612.26	2,259.83	352.44	7.412		
14,100.00	7,875.00	14,177.95	7,875.00	176.24	181.80	89.11	2,390.50	-6,778.56	2,612.30	2,254.54	357.76	7.302		
14,200.00	7,875.00	14,277.95	7,875.00	178.90	184.46	89.11	2,390.48	-6,878.56	2,612.33	2,249.25	363.08	7.195		
14,300.00	7,875.00	14,377.95	7,875.00	181.57	187.11	89.11	2,390.47	-6,978.56	2,612.36	2,243.96	368.40	7.091		
14,400.00	7,875.00	14,477.95	7,875.00	184.24	189.76	89.11	2,390.45	-7,078.56	2,612.40	2,238.67	373.73	6.990		
14,500.00	7,875.00	14,577.95	7,875.00	186.91	192.41	89.11	2,390.43	-7,178.56	2,612.43	2,233.38	379.05	6.892		
14,600.00	7,875.00	14,677.95	7,875.00	189.58	195.07	89.11	2,390.42	-7,278.56	2,612.47	2,228.09	384.38	6.797		
14,700.00	7,875.00	14,777.95	7,875.00	192.26	197.72	89.11	2,390.40	-7,378.56	2,612.50	2,222.79	389.71	6.704		
14,800.00	7,875.00	14,877.95	7,875.00	194.93	200.38	89.11	2,390.39	-7,478.56	2,612.54	2,217.49	395.04	6.613		
14,900.00	7,875.00	14,977.95	7,875.00	197.60	203.04	89.11	2,390.37	-7,578.56	2,612.57	2,212.20	400.37	6.525		
15,000.00	7,875.00	15,077.95	7,875.00	200.27	205.70	89.11	2,390.35	-7,678.56	2,612.60	2,206.90	405.71	6.440		
15,100.00	7,875.00	15,177.95	7,875.00	202.95	208.36	89.11	2,390.34	-7,778.56	2,612.64	2,201.59	411.04	6.356		
15,200.00	7,875.00	15,277.95	7,875.00	205.62	211.02	89.11	2,390.32	-7,878.56	2,612.67	2,196.29	416.38	6.275		
15,300.00	7,875.00	15,377.95	7,875.00	208.29	213.68	89.11	2,390.31	-7,978.56	2,612.71	2,190.99	421.72	6.195		
15,400.00	7,875.00	15,477.95	7,875.00	210.97	216.34	89.11	2,390.29	-8,078.56	2,612.74	2,185.69	427.05	6.118		
15,500.00	7,875.00	15,577.95	7,875.00	213.64	219.00	89.11	2,390.28	-8,178.56	2,612.77	2,180.38	432.39	6.043		
15,600.00	7,875.00	15,677.95	7,875.00	216.32	221.66	89.11	2,390.26	-8,278.56	2,612.81	2,175.07	437.73	5.969		
15,700.00	7,875.00	15,777.95	7,875.00	218.99	224.33	89.11	2,390.24	-8,378.56	2,612.84	2,169.77	443.08	5.897		
15,800.00	7,875.00	15,877.95	7,875.00	221.67	226.99	89.11	2,390.23	-8,478.56	2,612.88	2,164.46	448.42	5.827		
15,900.00	7,875.00	15,977.95	7,875.00	224.35	229.66	89.11	2,390.21	-8,578.56	2,612.91	2,159.15	453.76	5.758		
16,000.00	7,875.00	16,077.95	7,875.00	227.02	232.32	89.11	2,390.20	-8,678.56	2,612.94	2,153.84	459.11	5.691		
16,100.00	7,875.00	16,177.95	7,875.00	229.70	234.99	89.11	2,390.18	-8,778.56	2,612.98	2,148.53	464.45	5.626		
16,200.00	7,875.00	16,277.95	7,875.00	232.38	237.66	89.11	2,390.16	-8,878.56	2,613.01	2,143.21	469.80	5.562		
16,300.00	7,875.00	16,377.95	7,875.00	235.06	240.32	89.11	2,390.15	-8,978.56	2,613.05	2,137.90	475.14	5.499		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 2AH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG, 2165-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
16,400.00	7,875.00	16,477.95	7,875.00	237.73	242.99	89.11	2,390.13	-9,078.56	2,613.08	2,132.59	480.49	5.438		
16,500.00	7,875.00	16,577.95	7,875.00	240.41	245.66	89.11	2,390.12	-9,178.56	2,613.11	2,127.27	485.84	5.379		
16,600.00	7,875.00	16,677.95	7,875.00	243.09	248.33	89.11	2,390.10	-9,278.56	2,613.15	2,121.96	491.19	5.320		
16,700.00	7,875.00	16,777.95	7,875.00	245.77	251.00	89.11	2,390.09	-9,378.56	2,613.18	2,116.64	496.54	5.263		
16,800.00	7,875.00	16,877.95	7,875.00	248.45	253.67	89.11	2,390.07	-9,478.56	2,613.22	2,111.33	501.89	5.207		
16,900.00	7,875.00	16,977.95	7,875.00	251.13	256.34	89.11	2,390.05	-9,578.56	2,613.25	2,106.01	507.24	5.152		
17,000.00	7,875.00	17,077.95	7,875.00	253.81	259.01	89.11	2,390.04	-9,678.56	2,613.29	2,100.69	512.59	5.098		
17,100.00	7,875.00	17,177.95	7,875.00	256.49	261.68	89.11	2,390.02	-9,778.56	2,613.32	2,095.37	517.94	5.046		
17,200.00	7,875.00	17,277.95	7,875.00	259.17	264.35	89.11	2,390.01	-9,878.56	2,613.35	2,090.06	523.30	4.994		
17,300.00	7,875.00	17,377.95	7,875.00	261.85	267.02	89.11	2,389.99	-9,978.56	2,613.39	2,084.74	528.65	4.944		
17,400.00	7,875.00	17,477.95	7,875.00	264.53	269.70	89.11	2,389.97	-10,078.56	2,613.42	2,079.42	534.01	4.894		
17,500.00	7,875.00	17,577.95	7,875.00	267.21	272.37	89.11	2,389.96	-10,178.56	2,613.46	2,074.10	539.36	4.845		
17,600.00	7,875.00	17,677.95	7,875.00	269.89	275.04	89.11	2,389.94	-10,278.56	2,613.49	2,068.77	544.71	4.798		
17,700.00	7,875.00	17,777.95	7,875.00	272.57	277.72	89.11	2,389.93	-10,378.56	2,613.52	2,063.45	550.07	4.751		
17,800.00	7,875.00	17,877.95	7,875.00	275.25	280.39	89.11	2,389.91	-10,478.56	2,613.56	2,058.13	555.43	4.705		
17,900.00	7,875.00	17,977.95	7,875.00	277.94	283.06	89.11	2,389.90	-10,578.56	2,613.59	2,052.81	560.78	4.661		
18,000.00	7,875.00	18,077.95	7,875.00	280.62	285.74	89.11	2,389.88	-10,678.56	2,613.63	2,047.49	566.14	4.617		
18,100.00	7,875.00	18,177.95	7,875.00	283.30	288.41	89.11	2,389.86	-10,778.56	2,613.66	2,042.16	571.50	4.573		
18,200.00	7,875.00	18,277.95	7,875.00	285.98	291.09	89.11	2,389.85	-10,878.56	2,613.69	2,036.84	576.86	4.531		
18,300.00	7,875.00	18,377.95	7,875.00	288.66	293.76	89.11	2,389.83	-10,978.56	2,613.73	2,031.51	582.21	4.489		
18,400.00	7,875.00	18,477.95	7,875.00	291.35	296.44	89.11	2,389.82	-11,078.56	2,613.76	2,026.19	587.57	4.448		
18,500.00	7,875.00	18,577.95	7,875.00	294.03	299.12	89.11	2,389.80	-11,178.56	2,613.80	2,020.86	592.93	4.408		
18,600.00	7,875.00	18,677.95	7,875.00	296.71	301.79	89.11	2,389.78	-11,278.56	2,613.83	2,015.54	598.29	4.369		
18,700.00	7,875.00	18,777.95	7,875.00	299.39	304.47	89.11	2,389.77	-11,378.56	2,613.86	2,010.21	603.65	4.330		
18,800.00	7,875.00	18,877.95	7,875.00	302.08	307.14	89.11	2,389.75	-11,478.56	2,613.90	2,004.89	609.01	4.292		
18,900.00	7,875.00	18,977.95	7,875.00	304.76	309.82	89.11	2,389.74	-11,578.56	2,613.93	1,999.56	614.37	4.255		
19,000.00	7,875.00	19,077.95	7,875.00	307.44	312.50	89.11	2,389.72	-11,678.56	2,613.97	1,994.23	619.74	4.218		
19,100.00	7,875.00	19,177.95	7,875.00	310.13	315.18	89.11	2,389.70	-11,778.56	2,614.00	1,988.90	625.10	4.182		
19,200.00	7,875.00	19,277.95	7,875.00	312.81	317.85	89.11	2,389.69	-11,878.56	2,614.04	1,983.58	630.46	4.146		
19,300.00	7,875.00	19,377.95	7,875.00	315.49	320.53	89.11	2,389.67	-11,978.56	2,614.07	1,978.25	635.82	4.111		
19,400.00	7,875.00	19,477.95	7,875.00	318.18	323.21	89.11	2,389.66	-12,078.56	2,614.10	1,972.92	641.18	4.077		
19,500.00	7,875.00	19,577.95	7,875.00	320.86	325.89	89.11	2,389.64	-12,178.56	2,614.14	1,967.59	646.55	4.043		
19,600.00	7,875.00	19,677.95	7,875.00	323.54	328.57	89.11	2,389.63	-12,278.56	2,614.17	1,962.26	651.91	4.010		
19,700.00	7,875.00	19,777.95	7,875.00	326.23	331.25	89.11	2,389.61	-12,378.56	2,614.21	1,956.93	657.27	3.977		
19,800.00	7,875.00	19,877.95	7,875.00	328.91	333.93	89.11	2,389.59	-12,478.56	2,614.24	1,951.60	662.64	3.945		
19,900.00	7,875.00	19,977.95	7,875.00	331.60	336.60	89.11	2,389.58	-12,578.56	2,614.27	1,946.27	668.00	3.914		
20,000.00	7,875.00	20,077.95	7,875.00	334.28	339.28	89.11	2,389.56	-12,678.56	2,614.31	1,940.94	673.37	3.882		
20,100.00	7,875.00	20,177.95	7,875.00	336.97	341.96	89.11	2,389.55	-12,778.56	2,614.34	1,935.61	678.73	3.852		
20,200.00	7,875.00	20,277.95	7,875.00	339.65	344.64	89.11	2,389.53	-12,878.56	2,614.38	1,930.28	684.10	3.822		
20,300.00	7,875.00	20,377.95	7,875.00	342.34	347.32	89.11	2,389.51	-12,978.56	2,614.41	1,924.95	689.46	3.792		
20,400.00	7,875.00	20,477.95	7,875.00	345.02	350.00	89.11	2,389.50	-13,078.56	2,614.44	1,919.62	694.83	3.763		
20,500.00	7,875.00	20,577.95	7,875.00	347.71	352.68	89.11	2,389.48	-13,178.56	2,614.48	1,914.29	700.19	3.734		
20,600.00	7,875.00	20,677.95	7,875.00	350.39	355.36	89.11	2,389.47	-13,278.56	2,614.51	1,908.95	705.56	3.706		
20,700.00	7,875.00	20,777.95	7,875.00	353.08	358.04	89.11	2,389.45	-13,378.56	2,614.55	1,903.62	710.92	3.678		
20,800.00	7,875.00	20,877.95	7,875.00	355.76	360.73	89.11	2,389.44	-13,478.56	2,614.58	1,898.29	716.29	3.650		
20,900.00	7,875.00	20,977.95	7,875.00	358.45	363.41	89.11	2,389.42	-13,578.56	2,614.61	1,892.96	721.66	3.623		
21,000.00	7,875.00	21,077.95	7,875.00	361.13	366.09	89.11	2,389.40	-13,678.56	2,614.65	1,887.63	727.02	3.596		
21,100.00	7,875.00	21,177.95	7,875.00	363.82	368.77	89.11	2,389.39	-13,778.56	2,614.68	1,882.29	732.39	3.570		
21,200.00	7,875.00	21,277.95	7,875.00	366.50	371.45	89.11	2,389.37	-13,878.56	2,614.72	1,876.96	737.76	3.544		
21,300.00	7,875.00	21,377.95	7,875.00	369.19	374.13	89.11	2,389.36	-13,978.56	2,614.75	1,871.63	743.13	3.519		
21,400.00	7,875.00	21,477.95	7,875.00	371.87	376.81	89.11	2,389.34	-14,078.56	2,614.79	1,866.29	748.49	3.493		
21,500.00	7,875.00	21,577.95	7,875.00	374.56	379.50	89.11	2,389.32	-14,178.56	2,614.82	1,860.96	753.86	3.469		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 2AH - OWB - PROPOSAL 1												Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG, 2165-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
21,600.00	7,875.00	21,677.95	7,875.00	377.25	382.18	89.11	2,389.31	-14,278.56	2,614.85	1,855.62	759.23	3.444	
21,700.00	7,875.00	21,777.95	7,875.00	379.93	384.86	89.11	2,389.29	-14,378.56	2,614.89	1,850.29	764.60	3.420	
21,800.00	7,875.00	21,877.95	7,875.00	382.62	387.54	89.11	2,389.28	-14,478.56	2,614.92	1,844.96	769.97	3.396	
21,900.00	7,875.00	21,977.95	7,875.00	385.30	390.22	89.11	2,389.26	-14,578.56	2,614.96	1,839.62	775.33	3.373	
22,000.00	7,875.00	22,077.95	7,875.00	387.99	392.91	89.11	2,389.24	-14,678.56	2,614.99	1,834.29	780.70	3.350	
22,100.00	7,875.00	22,177.95	7,875.00	390.68	395.59	89.11	2,389.23	-14,778.56	2,615.02	1,828.95	786.07	3.327	
22,200.00	7,875.00	22,277.95	7,875.00	393.36	398.27	89.11	2,389.21	-14,878.56	2,615.06	1,823.62	791.44	3.304	
22,300.00	7,875.00	22,377.95	7,875.00	396.05	400.95	89.11	2,389.20	-14,978.56	2,615.09	1,818.28	796.81	3.282	
22,400.00	7,875.00	22,477.95	7,875.00	398.73	403.64	89.11	2,389.18	-15,078.56	2,615.13	1,812.95	802.18	3.260	
22,500.00	7,875.00	22,577.95	7,875.00	401.42	406.32	89.11	2,389.17	-15,178.56	2,615.16	1,807.61	807.55	3.238	
22,600.00	7,875.00	22,677.95	7,875.00	404.11	409.00	89.11	2,389.15	-15,278.56	2,615.19	1,802.27	812.92	3.217	
22,700.00	7,875.00	22,777.95	7,875.00	406.79	411.69	89.11	2,389.13	-15,378.56	2,615.23	1,796.94	818.29	3.196	
22,800.00	7,875.00	22,877.95	7,875.00	409.48	414.37	89.11	2,389.12	-15,478.56	2,615.26	1,791.60	823.66	3.175	
22,900.00	7,875.00	22,977.95	7,875.00	412.17	417.05	89.11	2,389.10	-15,578.56	2,615.30	1,786.27	829.03	3.155	
23,000.00	7,875.00	23,077.95	7,875.00	414.85	419.74	89.11	2,389.09	-15,678.56	2,615.33	1,780.93	834.40	3.134	
23,100.00	7,875.00	23,177.95	7,875.00	417.54	422.42	89.11	2,389.07	-15,778.56	2,615.36	1,775.59	839.77	3.114	
23,186.11	7,875.00	23,264.06	7,875.00	419.85	424.73	89.11	2,389.06	-15,864.67	2,615.39	1,771.00	844.40	3.097 ES, SF	

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 2CH - OWB - PROPOSAL 1													Offset Site Error: 0.00 usft	
Survey Program: 29-MWD OWSG, 2165-MWD OWSG													Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis		Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	42.85	42.85	0.00	0.06	7.11	3,049.63	380.14	3,073.23					
29.38	29.38	70.18	70.18	0.01	0.16	131.83	3,049.64	380.02	3,073.27	3,073.10	0.17	N/A		
59.94	59.94	99.24	99.23	0.12	0.26	109.86	3,049.69	379.81	3,073.35	3,072.97	0.38	8,117.073		
90.50	90.50	128.17	128.16	0.23	0.36	141.18	3,049.75	379.53	3,073.49	3,072.90	0.59	5,194.058		
121.06	121.06	153.05	153.05	0.34	0.45	143.98	3,049.84	379.28	3,073.82	3,073.03	0.79	3,885.264		
151.62	151.62	186.52	186.52	0.45	0.57	109.68	3,049.96	378.90	3,074.12	3,073.10	1.02	3,014.054		
212.74	212.73	248.97	248.96	0.67	0.80	130.00	3,050.27	378.18	3,074.70	3,073.23	1.46	2,102.587		
273.86	273.84	298.73	298.71	0.89	0.97	113.65	3,050.57	377.43	3,075.40	3,073.54	1.86	1,652.995		
316.51	316.48	343.58	343.56	1.04	1.14	117.00	3,050.91	376.62	3,076.00	3,073.83	2.17	1,414.333		
359.16	359.12	383.87	383.84	1.19	1.28	121.28	3,051.17	375.95	3,076.78	3,074.31	2.47	1,244.052		
401.81	401.74	414.48	414.44	1.35	1.39	124.72	3,051.44	375.69	3,078.00	3,075.26	2.74	1,124.578		
444.46	444.34	440.16	440.12	1.51	1.48	120.65	3,051.76	375.65	3,079.61	3,076.63	2.98	1,032.710		
487.11	486.92	470.87	470.83	1.66	1.59	120.63	3,052.29	375.72	3,081.57	3,078.32	3.24	949.779		
529.76	529.49	511.28	511.23	1.82	1.73	119.23	3,053.05	375.85	3,083.72	3,080.18	3.54	870.884		
572.41	572.04	557.57	557.52	1.98	1.89	119.95	3,053.93	376.04	3,085.96	3,082.10	3.86	799.819		
615.06	614.59	611.80	611.74	2.14	2.07	117.00	3,054.73	376.62	3,088.02	3,083.82	4.20	734.899		
657.71	657.13	650.25	650.17	2.30	2.21	116.68	3,055.22	377.20	3,090.04	3,085.55	4.49	687.944		
700.36	699.68	689.91	689.83	2.46	2.34	120.15	3,055.80	377.91	3,092.18	3,087.39	4.79	646.068		
743.01	742.23	730.03	729.93	2.61	2.48	121.15	3,056.37	378.63	3,094.30	3,089.22	5.08	608.825		
785.66	784.78	762.35	762.25	2.77	2.60	125.61	3,056.91	379.22	3,096.76	3,091.41	5.35	578.508		
828.31	827.31	798.63	798.51	2.94	2.72	126.80	3,057.62	379.92	3,099.56	3,093.92	5.64	549.733		
870.96	869.88	827.28	827.14	3.09	2.82	127.17	3,058.25	380.59	3,102.23	3,096.34	5.89	526.295		
913.61	912.48	859.83	859.67	3.25	2.94	133.83	3,059.08	381.52	3,104.77	3,098.61	6.16	503.803		
956.26	955.09	896.62	896.43	3.41	3.07	136.24	3,060.10	382.61	3,107.48	3,101.03	6.45	482.050		
998.91	997.69	936.30	936.07	3.56	3.21	136.57	3,061.22	384.08	3,110.32	3,103.58	6.74	461.432		
1,041.56	1,040.31	991.58	991.29	3.72	3.40	136.85	3,062.69	386.31	3,112.94	3,105.85	7.09	439.086		
1,084.21	1,082.93	1,084.54	1,084.12	3.87	3.73	140.14	3,063.99	390.79	3,114.79	3,107.22	7.57	411.372		
1,126.86	1,125.57	1,200.89	1,200.38	4.03	4.14	136.31	3,063.80	395.21	3,116.08	3,107.95	8.13	383.179		
1,169.51	1,168.19	1,326.59	1,326.02	4.18	4.57	140.58	3,060.41	395.51	3,115.81	3,107.10	8.71	357.791		
1,212.16	1,210.82	1,375.86	1,375.25	4.34	4.73	148.49	3,058.50	394.87	3,115.20	3,106.17	9.03	345.079		
1,254.81	1,253.45	1,421.81	1,421.18	4.49	4.89	160.58	3,056.80	394.30	3,114.67	3,105.34	9.33	333.656		
1,297.46	1,296.09	1,468.09	1,467.41	4.64	5.05	159.28	3,054.92	393.68	3,113.90	3,104.26	9.64	322.906		
1,340.11	1,338.72	1,559.73	1,558.94	4.79	5.36	163.71	3,050.71	391.99	3,112.96	3,102.85	10.10	308.123		
1,382.76	1,381.36	1,634.77	1,633.81	4.95	5.62	151.45	3,046.17	389.89	3,111.31	3,100.80	10.51	296.093		
1,425.41	1,423.99	1,705.65	1,704.48	5.10	5.86	136.38	3,041.40	387.23	3,109.24	3,098.34	10.90	285.233		
1,468.06	1,466.62	2,179.64	2,172.23	5.26	7.64	130.86	2,978.02	350.97	3,105.06	3,092.51	12.56	247.291		
1,510.71	1,509.24	2,221.88	2,213.40	5.41	7.82	134.48	2,969.47	346.91	3,096.90	3,084.04	12.86	240.826		
1,553.36	1,551.88	2,277.05	2,267.10	5.56	8.05	153.42	2,958.26	341.05	3,088.54	3,075.33	13.20	233.929		
1,596.01	1,594.52	2,323.92	2,312.63	5.72	8.25	149.55	2,948.68	335.35	3,079.90	3,066.38	13.52	227.775		
1,638.66	1,637.16	2,365.50	2,353.00	5.87	8.44	142.40	2,940.18	330.22	3,071.13	3,057.30	13.83	222.131		
1,681.31	1,679.81	2,407.05	2,393.35	6.02	8.62	158.80	2,931.68	325.10	3,062.26	3,048.13	14.13	216.727		
1,723.96	1,722.45	2,448.63	2,433.73	6.17	8.81	147.84	2,923.18	319.98	3,053.51	3,039.08	14.43	211.547		
1,766.61	1,765.10	2,509.78	2,474.11	6.33	9.09	152.10	2,914.68	314.85	3,044.79	3,029.98	14.81	205.536		
1,809.26	1,807.74	2,531.79	2,514.48	6.48	9.19	149.82	2,906.18	309.73	3,036.01	3,020.96	15.05	201.767		
1,851.91	1,850.39	2,573.38	2,554.86	6.63	9.38	138.31	2,897.68	304.60	3,027.27	3,011.92	15.35	197.153		
1,894.56	1,893.03	2,614.97	2,595.26	6.78	9.57	135.66	2,889.17	299.47	3,018.52	3,002.86	15.66	192.703		
1,937.21	1,935.67	2,656.54	2,635.62	6.94	9.77	134.45	2,880.67	294.35	3,009.68	2,993.70	15.97	188.407		
1,979.86	1,978.32	2,701.91	2,675.97	7.09	9.98	133.54	2,872.17	289.22	3,000.79	2,984.49	16.30	184.108		
2,022.51	2,020.96	2,739.65	2,716.34	7.24	10.16	144.92	2,863.68	284.10	2,991.96	2,975.36	16.60	180.290		
2,065.16	2,063.61	2,781.23	2,756.71	7.40	10.36	142.87	2,855.18	278.97	2,983.20	2,966.29	16.91	176.454		
2,107.81	2,106.25	2,822.81	2,797.08	7.55	10.56	162.82	2,846.67	273.85	2,974.50	2,957.28	17.22	172.758		
2,150.46	2,148.89	2,864.39	2,837.47	7.70	10.76	162.63	2,838.17	268.72	2,965.88	2,948.35	17.53	169.196		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 2CH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG, 2165-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
2,205.46	2,203.89	2,918.02	2,889.55	7.80	11.02	162.53	2,827.21	262.11	2,954.79	2,936.96	17.84	165.644		
2,300.00	2,298.37	3,010.46	2,979.31	7.82	11.48	131.89	2,808.31	250.71	2,936.42	2,918.20	18.22	161.170		
2,340.72	2,339.03	3,050.41	3,018.11	7.83	11.67	128.30	2,800.14	245.79	2,928.93	2,910.54	18.39	159.269		
2,400.00	2,398.21	3,108.64	3,074.65	7.86	11.96	128.24	2,788.23	238.61	2,918.20	2,899.55	18.65	156.512		
2,500.00	2,498.02	3,206.86	3,170.02	7.92	12.45	128.14	2,768.15	226.50	2,900.11	2,881.02	19.09	151.896		
2,600.00	2,597.84	3,305.07	3,265.40	7.99	12.94	128.04	2,748.07	214.40	2,882.03	2,862.47	19.56	147.352		
2,700.00	2,697.65	3,403.29	3,360.77	8.09	13.44	127.93	2,727.99	202.29	2,863.96	2,843.92	20.04	142.891		
2,800.00	2,797.47	3,501.50	3,456.15	8.20	13.94	127.82	2,707.90	190.18	2,845.90	2,825.36	20.54	138.523		
2,900.00	2,897.29	3,600.28	3,551.52	8.32	14.45	127.72	2,687.82	178.07	2,827.85	2,806.79	21.07	134.242		
3,000.00	2,997.10	3,697.93	3,646.90	8.46	14.95	127.61	2,667.74	165.96	2,809.81	2,788.21	21.60	130.099		
3,100.00	3,096.92	3,803.85	3,742.27	8.61	15.50	127.50	2,647.66	153.86	2,791.78	2,769.60	22.18	125.877		
3,200.00	3,196.73	3,894.36	3,837.65	8.78	15.96	127.38	2,627.58	141.75	2,773.76	2,751.05	22.71	122.130		
3,300.00	3,296.55	4,007.42	3,933.02	8.96	16.55	127.27	2,607.49	129.64	2,755.75	2,732.40	23.35	118.017		
3,400.00	3,396.37	4,109.21	4,028.40	9.15	17.08	127.15	2,587.41	117.53	2,737.75	2,713.79	23.96	114.281		
3,500.00	3,496.18	4,189.01	4,123.77	9.35	17.50	127.04	2,567.33	105.42	2,719.76	2,695.28	24.48	111.085		
3,600.00	3,596.00	4,287.23	4,219.15	9.56	18.02	126.92	2,547.25	93.32	2,701.78	2,676.69	25.10	107.648		
3,700.00	3,695.81	4,385.44	4,314.52	9.78	18.53	126.80	2,527.17	81.21	2,683.82	2,658.09	25.72	104.332		
3,800.00	3,795.63	4,483.66	4,409.90	10.01	19.05	126.68	2,507.09	69.10	2,665.86	2,639.51	26.36	101.134		
3,900.00	3,895.45	4,581.87	4,505.27	10.25	19.57	126.55	2,487.00	56.99	2,647.92	2,620.92	27.01	98.053		
4,000.00	3,995.26	4,680.09	4,600.65	10.50	20.09	126.43	2,466.92	44.89	2,629.99	2,602.33	27.66	95.085		
4,100.00	4,095.08	4,778.30	4,696.02	10.76	20.61	126.30	2,446.84	32.78	2,612.07	2,583.75	28.32	92.227		
4,200.00	4,194.89	4,876.52	4,791.40	11.02	21.13	126.17	2,426.76	20.67	2,594.17	2,565.18	28.99	89.476		
4,300.00	4,294.71	4,974.73	4,886.77	11.28	21.65	126.04	2,406.68	8.56	2,576.28	2,546.61	29.67	86.828		
4,400.00	4,394.53	5,072.95	4,982.15	11.56	22.17	125.91	2,386.60	-3.55	2,558.40	2,528.04	30.36	84.280		
4,500.00	4,494.34	5,171.16	5,077.52	11.84	22.69	125.78	2,366.51	-15.65	2,540.53	2,509.48	31.05	81.826		
4,600.00	4,594.16	5,269.38	5,172.90	12.12	23.22	125.64	2,346.43	-27.76	2,522.68	2,490.93	31.75	79.465		
4,700.00	4,693.97	5,367.59	5,268.27	12.41	23.74	125.50	2,326.35	-39.87	2,504.84	2,472.39	32.45	77.191		
4,800.00	4,793.79	5,465.81	5,363.65	12.70	24.27	125.36	2,306.27	-51.98	2,487.02	2,453.86	33.16	75.002		
4,900.00	4,893.61	5,564.03	5,459.02	13.00	24.79	125.22	2,286.19	-64.09	2,469.21	2,435.34	33.87	72.894		
5,000.00	4,993.42	5,662.24	5,554.40	13.30	25.32	125.08	2,266.10	-76.19	2,451.41	2,416.82	34.59	70.863		
5,100.00	5,093.24	5,760.46	5,649.77	13.61	25.84	124.93	2,246.02	-88.30	2,433.64	2,398.32	35.32	68.906		
5,200.00	5,193.06	5,858.67	5,745.15	13.92	26.37	124.78	2,225.94	-100.41	2,415.87	2,379.83	36.05	67.019		
5,300.00	5,292.87	5,956.89	5,840.52	14.23	26.90	124.63	2,205.86	-112.52	2,398.12	2,361.34	36.78	65.201		
5,400.00	5,392.69	6,055.10	5,935.90	14.54	27.42	124.48	2,185.78	-124.63	2,380.39	2,342.88	37.52	63.446		
5,500.00	5,492.50	6,153.32	6,031.27	14.86	27.95	124.32	2,165.70	-136.73	2,362.68	2,324.42	38.26	61.753		
5,600.00	5,592.32	6,251.53	6,126.65	15.18	28.48	124.17	2,145.61	-148.84	2,344.98	2,305.98	39.01	60.120		
5,700.00	5,692.14	6,349.75	6,222.02	15.50	29.01	124.01	2,125.53	-160.95	2,327.30	2,287.55	39.75	58.542		
5,800.00	5,791.95	6,447.96	6,317.40	15.83	29.53	123.85	2,105.45	-173.06	2,309.64	2,269.13	40.51	57.018		
5,900.00	5,891.77	6,546.18	6,412.77	16.16	30.06	123.68	2,085.37	-185.16	2,291.99	2,250.73	41.26	55.546		
6,000.00	5,991.58	6,644.40	6,508.15	16.48	30.59	123.51	2,065.29	-197.27	2,274.37	2,232.35	42.02	54.123		
6,100.00	6,091.40	6,742.61	6,603.52	16.81	31.12	123.34	2,045.20	-209.38	2,256.76	2,213.98	42.79	52.747		
6,200.00	6,191.22	6,840.83	6,698.90	17.15	31.65	123.17	2,025.12	-221.49	2,239.18	2,195.63	43.55	51.415		
6,300.00	6,291.03	6,939.04	6,794.27	17.48	32.18	123.00	2,005.04	-233.60	2,221.61	2,177.29	44.32	50.127		
6,400.00	6,390.85	7,037.26	6,889.65	17.82	32.71	122.82	1,984.96	-245.70	2,204.06	2,158.97	45.09	48.880		
6,500.00	6,490.66	7,135.47	6,985.02	18.15	33.24	122.64	1,964.88	-257.81	2,186.54	2,140.67	45.87	47.672		
6,600.00	6,590.48	7,233.69	7,080.40	18.49	33.77	122.46	1,944.80	-269.92	2,169.03	2,122.39	46.64	46.501		
6,700.00	6,690.30	7,331.90	7,175.77	18.83	34.30	122.27	1,924.71	-282.03	2,151.55	2,104.13	47.43	45.367		
6,800.00	6,790.11	7,430.12	7,271.15	19.17	34.83	122.08	1,904.63	-294.14	2,134.09	2,085.88	48.21	44.268		
6,900.00	6,889.93	7,528.33	7,366.52	19.52	35.36	121.89	1,884.55	-306.24	2,116.66	2,067.66	48.99	43.202		
7,000.00	6,989.74	7,626.45	7,461.80	19.86	35.89	121.69	1,864.49	-318.35	2,099.24	2,049.46	49.78	42.167		
7,100.00	7,089.56	7,719.79	7,551.02	20.21	36.44	121.28	1,845.70	-337.88	2,081.97	2,031.32	50.65	41.108		
7,200.00	7,189.38	7,806.29	7,629.92	20.55	37.01	120.52	1,829.09	-368.97	2,065.22	2,013.60	51.62	40.008		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 2CH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG, 2165-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
7,300.00	7,289.19	7,883.28	7,695.59	20.90	37.55	119.55	1,815.25	-406.56	2,049.58	1,996.91	52.67	38.915		
7,342.81	7,331.92	7,913.07	7,719.58	21.05	37.78	119.10	1,810.20	-423.48	2,043.39	1,990.27	53.12	38.464		
7,350.00	7,339.10	7,917.91	7,723.40	21.07	37.81	113.86	1,809.40	-426.34	2,042.38	1,989.18	53.20	38.389		
7,400.00	7,388.77	7,950.00	7,748.08	21.26	38.06	99.61	1,804.20	-446.18	2,035.58	1,981.85	53.73	37.885		
7,450.00	7,437.78	7,984.00	7,773.00	21.46	38.33	95.52	1,798.95	-468.69	2,029.13	1,974.83	54.30	37.367		
7,500.00	7,485.76	8,016.34	7,795.46	21.68	38.59	93.70	1,794.21	-491.48	2,023.04	1,968.17	54.87	36.869		
7,550.00	7,532.34	8,050.00	7,817.45	21.91	38.88	92.69	1,789.58	-516.53	2,017.32	1,961.85	55.47	36.370		
7,600.00	7,577.17	8,079.97	7,835.79	22.16	39.14	92.12	1,785.71	-539.90	2,011.99	1,955.94	56.04	35.901		
7,650.00	7,619.91	8,111.35	7,853.69	22.44	39.41	91.75	1,781.94	-565.40	2,007.05	1,950.40	56.65	35.430		
7,700.00	7,660.24	8,142.51	7,870.08	22.74	39.70	91.51	1,778.49	-591.67	2,002.51	1,945.24	57.27	34.964		
7,750.00	7,697.84	8,173.48	7,884.96	23.07	39.99	91.34	1,775.35	-618.64	1,998.39	1,940.46	57.93	34.497		
7,800.00	7,732.43	8,200.00	7,896.56	23.43	40.24	91.27	1,772.90	-642.36	1,994.69	1,936.15	58.53	34.078		
7,850.00	7,763.75	8,234.94	7,910.18	23.84	40.59	91.15	1,770.03	-674.41	1,991.39	1,932.06	59.33	33.564		
7,900.00	7,791.55	8,265.48	7,920.50	24.29	40.90	91.10	1,767.86	-703.07	1,988.53	1,928.44	60.09	33.090		
7,950.00	7,815.64	8,300.00	7,930.34	24.79	41.26	91.04	1,765.78	-736.08	1,986.11	1,925.12	60.98	32.569		
8,000.00	7,835.81	8,326.31	7,936.52	25.35	41.54	91.03	1,764.47	-761.62	1,984.10	1,922.33	61.77	32.121		
8,050.00	7,851.93	8,350.00	7,941.11	25.96	41.80	91.03	1,763.50	-784.84	1,982.55	1,920.00	62.55	31.697		
8,100.00	7,863.86	8,386.89	7,946.36	26.62	42.21	90.99	1,762.39	-821.33	1,981.40	1,917.74	63.65	31.128		
8,150.00	7,871.52	8,417.12	7,948.95	27.33	42.56	90.98	1,761.84	-851.44	1,980.70	1,916.03	64.67	30.628		
8,200.00	7,874.85	8,452.18	7,950.00	28.07	42.96	90.96	1,761.62	-886.48	1,980.44	1,914.61	65.83	30.085		
8,203.24	7,874.91	8,456.96	7,950.00	28.12	43.02	90.97	1,761.62	-881.71	1,980.43	1,914.53	65.89	30.055 CC		
8,213.19	7,875.00	8,457.35	7,950.00	28.27	43.02	90.96	1,761.61	-891.65	1,980.43	1,914.38	66.05	29.982		
8,300.00	7,875.00	8,544.16	7,950.00	29.67	44.10	90.96	1,761.60	-978.46	1,980.46	1,911.65	68.82	28.779		
8,400.00	7,875.00	8,644.16	7,950.00	31.43	45.44	90.96	1,761.58	-1,078.46	1,980.50	1,908.27	72.23	27.419		
8,500.00	7,875.00	8,744.16	7,950.00	33.31	46.90	90.96	1,761.57	-1,178.46	1,980.53	1,904.66	75.87	26.103		
8,600.00	7,875.00	8,844.16	7,950.00	35.29	48.48	90.96	1,761.55	-1,278.46	1,980.57	1,900.85	79.72	24.845		
8,700.00	7,875.00	8,944.16	7,950.00	37.37	50.16	90.96	1,761.54	-1,378.46	1,980.60	1,896.87	83.73	23.655		
8,800.00	7,875.00	9,044.16	7,950.00	39.52	51.93	90.96	1,761.52	-1,478.46	1,980.63	1,892.75	87.89	22.536		
8,900.00	7,875.00	9,144.16	7,950.00	41.73	53.78	90.96	1,761.51	-1,578.46	1,980.67	1,888.49	92.17	21.488		
9,000.00	7,875.00	9,244.16	7,950.00	44.00	55.71	90.96	1,761.49	-1,678.46	1,980.70	1,884.13	96.57	20.511		
9,100.00	7,875.00	9,344.16	7,950.00	46.32	57.70	90.96	1,761.47	-1,778.46	1,980.74	1,879.68	101.06	19.600		
9,200.00	7,875.00	9,444.16	7,950.00	48.67	59.76	90.96	1,761.46	-1,878.46	1,980.77	1,875.14	105.63	18.752		
9,300.00	7,875.00	9,544.16	7,950.00	51.05	61.86	90.96	1,761.44	-1,978.46	1,980.80	1,870.53	110.27	17.963		
9,400.00	7,875.00	9,644.16	7,950.00	53.47	64.02	90.96	1,761.43	-2,078.46	1,980.84	1,865.86	114.98	17.228		
9,500.00	7,875.00	9,744.16	7,950.00	55.91	66.22	90.96	1,761.41	-2,178.46	1,980.87	1,861.13	119.74	16.542		
9,600.00	7,875.00	9,844.16	7,950.00	58.37	68.45	90.96	1,761.39	-2,278.46	1,980.91	1,856.35	124.56	15.903		
9,700.00	7,875.00	9,944.16	7,950.00	60.85	70.73	90.96	1,761.38	-2,378.46	1,980.94	1,851.52	129.42	15.307		
9,800.00	7,875.00	10,044.16	7,950.00	63.35	73.03	90.96	1,761.36	-2,478.46	1,980.98	1,846.66	134.31	14.749		
9,900.00	7,875.00	10,144.16	7,950.00	65.86	75.36	90.96	1,761.35	-2,578.46	1,981.01	1,841.76	139.25	14.227		
10,000.00	7,875.00	10,244.16	7,950.00	68.39	77.71	90.96	1,761.33	-2,678.46	1,981.04	1,836.83	144.21	13.737		
10,100.00	7,875.00	10,344.16	7,950.00	70.93	80.09	90.96	1,761.32	-2,778.46	1,981.08	1,831.87	149.21	13.277		
10,200.00	7,875.00	10,444.16	7,950.00	73.48	82.49	90.96	1,761.30	-2,878.46	1,981.11	1,826.89	154.22	12.846		
10,300.00	7,875.00	10,544.16	7,950.00	76.04	84.90	90.96	1,761.28	-2,978.46	1,981.15	1,821.88	159.27	12.439		
10,400.00	7,875.00	10,644.16	7,950.00	78.61	87.34	90.96	1,761.27	-3,078.46	1,981.18	1,816.85	164.33	12.056		
10,500.00	7,875.00	10,744.16	7,950.00	81.19	89.78	90.96	1,761.25	-3,178.46	1,981.21	1,811.80	169.41	11.694		
10,600.00	7,875.00	10,844.16	7,950.00	83.77	92.25	90.96	1,761.24	-3,278.46	1,981.25	1,806.73	174.52	11.353		
10,700.00	7,875.00	10,944.16	7,950.00	86.36	94.72	90.96	1,761.22	-3,378.46	1,981.28	1,801.65	179.63	11.030		
10,800.00	7,875.00	11,044.16	7,950.00	88.96	97.21	90.96	1,761.20	-3,478.46	1,981.32	1,796.55	184.76	10.723		
10,900.00	7,875.00	11,144.16	7,950.00	91.56	99.71	90.96	1,761.19	-3,578.46	1,981.35	1,791.44	189.91	10.433		
11,000.00	7,875.00	11,244.16	7,950.00	94.17	102.22	90.96	1,761.17	-3,678.46	1,981.38	1,786.32	195.07	10.157		
11,100.00	7,875.00	11,344.16	7,950.00	96.78	104.74	90.96	1,761.16	-3,778.46	1,981.42	1,781.18	200.24	9.895		
11,200.00	7,875.00	11,444.16	7,950.00	99.39	107.27	90.96	1,761.14	-3,878.46	1,981.45	1,776.03	205.42	9.646		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 2CH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG, 2165-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
11,300.00	7,875.00	11,544.16	7,950.00	102.01	109.81	90.96	1,761.12	-3,978.46	1,981.49	1,770.88	210.61	9.408		
11,400.00	7,875.00	11,644.16	7,950.00	104.64	112.35	90.96	1,761.11	-4,078.46	1,981.52	1,765.71	215.81	9.182		
11,500.00	7,875.00	11,744.16	7,950.00	107.26	114.90	90.96	1,761.09	-4,178.46	1,981.55	1,760.54	221.02	8.966		
11,600.00	7,875.00	11,844.16	7,950.00	109.89	117.46	90.96	1,761.08	-4,278.46	1,981.59	1,755.35	226.24	8.759		
11,700.00	7,875.00	11,944.16	7,950.00	112.52	120.02	90.96	1,761.06	-4,378.46	1,981.62	1,750.16	231.46	8.561		
11,800.00	7,875.00	12,044.16	7,950.00	115.16	122.59	90.96	1,761.05	-4,478.46	1,981.66	1,744.97	236.69	8.372		
11,900.00	7,875.00	12,144.16	7,950.00	117.80	125.16	90.96	1,761.03	-4,578.46	1,981.69	1,739.76	241.93	8.191		
12,000.00	7,875.00	12,244.16	7,950.00	120.44	127.74	90.96	1,761.01	-4,678.46	1,981.72	1,734.55	247.17	8.018		
12,100.00	7,875.00	12,344.16	7,950.00	123.08	130.33	90.96	1,761.00	-4,778.46	1,981.76	1,729.34	252.42	7.851		
12,200.00	7,875.00	12,444.16	7,950.00	125.73	132.91	90.96	1,760.98	-4,878.46	1,981.79	1,724.12	257.68	7.691		
12,300.00	7,875.00	12,544.16	7,950.00	128.37	135.51	90.96	1,760.97	-4,978.46	1,981.83	1,718.89	262.94	7.537		
12,400.00	7,875.00	12,644.16	7,950.00	131.02	138.10	90.96	1,760.95	-5,078.46	1,981.86	1,713.66	268.20	7.389		
12,500.00	7,875.00	12,744.16	7,950.00	133.67	140.70	90.96	1,760.93	-5,178.46	1,981.90	1,708.43	273.47	7.247		
12,600.00	7,875.00	12,844.16	7,950.00	136.32	143.31	90.96	1,760.92	-5,278.46	1,981.93	1,703.19	278.74	7.110		
12,700.00	7,875.00	12,944.16	7,950.00	138.97	145.91	90.96	1,760.90	-5,378.46	1,981.96	1,697.94	284.02	6.978		
12,800.00	7,875.00	13,044.16	7,950.00	141.63	148.52	90.96	1,760.89	-5,478.46	1,982.00	1,692.70	289.30	6.851		
12,900.00	7,875.00	13,144.16	7,950.00	144.28	151.14	90.96	1,760.87	-5,578.46	1,982.03	1,687.44	294.59	6.728		
13,000.00	7,875.00	13,244.16	7,950.00	146.94	153.75	90.96	1,760.86	-5,678.46	1,982.07	1,682.19	299.88	6.610		
13,100.00	7,875.00	13,344.16	7,950.00	149.60	156.37	90.96	1,760.84	-5,778.46	1,982.10	1,676.93	305.17	6.495		
13,200.00	7,875.00	13,444.16	7,950.00	152.26	158.99	90.96	1,760.82	-5,878.46	1,982.13	1,671.67	310.46	6.384		
13,300.00	7,875.00	13,544.16	7,950.00	154.92	161.61	90.96	1,760.81	-5,978.46	1,982.17	1,666.41	315.76	6.277		
13,400.00	7,875.00	13,644.16	7,950.00	157.58	164.24	90.96	1,760.79	-6,078.46	1,982.20	1,661.14	321.06	6.174		
13,500.00	7,875.00	13,744.16	7,950.00	160.24	166.87	90.96	1,760.78	-6,178.46	1,982.24	1,655.87	326.36	6.074		
13,600.00	7,875.00	13,844.16	7,950.00	162.91	169.50	90.96	1,760.76	-6,278.46	1,982.27	1,650.60	331.67	5.977		
13,700.00	7,875.00	13,944.16	7,950.00	165.57	172.13	90.96	1,760.74	-6,378.46	1,982.30	1,645.33	336.98	5.883		
13,800.00	7,875.00	14,044.16	7,950.00	168.24	174.76	90.96	1,760.73	-6,478.46	1,982.34	1,640.05	342.29	5.791		
13,900.00	7,875.00	14,144.16	7,950.00	170.90	177.40	90.96	1,760.71	-6,578.46	1,982.37	1,634.77	347.60	5.703		
14,000.00	7,875.00	14,244.16	7,950.00	173.57	180.03	90.96	1,760.70	-6,678.46	1,982.41	1,629.49	352.91	5.617		
14,100.00	7,875.00	14,344.16	7,950.00	176.24	182.67	90.96	1,760.68	-6,778.46	1,982.44	1,624.21	358.23	5.534		
14,200.00	7,875.00	14,444.16	7,950.00	178.90	185.31	90.96	1,760.66	-6,878.46	1,982.47	1,618.93	363.55	5.453		
14,300.00	7,875.00	14,544.16	7,950.00	181.57	187.96	90.96	1,760.65	-6,978.46	1,982.51	1,613.64	368.87	5.375		
14,400.00	7,875.00	14,644.16	7,950.00	184.24	190.60	90.96	1,760.63	-7,078.46	1,982.54	1,608.35	374.19	5.298		
14,500.00	7,875.00	14,744.16	7,950.00	186.91	193.24	90.96	1,760.62	-7,178.46	1,982.58	1,603.06	379.51	5.224		
14,600.00	7,875.00	14,844.16	7,950.00	189.58	195.89	90.96	1,760.60	-7,278.46	1,982.61	1,597.77	384.84	5.152		
14,700.00	7,875.00	14,944.16	7,950.00	192.26	198.54	90.96	1,760.59	-7,378.46	1,982.65	1,592.48	390.16	5.082		
14,800.00	7,875.00	15,044.16	7,950.00	194.93	201.18	90.96	1,760.57	-7,478.46	1,982.68	1,587.19	395.49	5.013		
14,900.00	7,875.00	15,144.16	7,950.00	197.60	203.83	90.96	1,760.55	-7,578.46	1,982.71	1,581.89	400.82	4.947		
15,000.00	7,875.00	15,244.16	7,950.00	200.27	206.48	90.96	1,760.54	-7,678.46	1,982.75	1,576.59	406.15	4.882		
15,100.00	7,875.00	15,344.16	7,950.00	202.95	209.13	90.96	1,760.52	-7,778.46	1,982.78	1,571.30	411.49	4.819		
15,200.00	7,875.00	15,444.16	7,950.00	205.62	211.79	90.96	1,760.51	-7,878.46	1,982.82	1,566.00	416.82	4.757		
15,300.00	7,875.00	15,544.16	7,950.00	208.29	214.44	90.96	1,760.49	-7,978.46	1,982.85	1,560.70	422.15	4.697		
15,400.00	7,875.00	15,644.16	7,950.00	210.97	217.10	90.96	1,760.47	-8,078.46	1,982.88	1,555.39	427.49	4.638		
15,500.00	7,875.00	15,744.16	7,950.00	213.64	219.75	90.96	1,760.46	-8,178.46	1,982.92	1,550.09	432.83	4.581		
15,600.00	7,875.00	15,844.16	7,950.00	216.32	222.41	90.96	1,760.44	-8,278.46	1,982.95	1,544.79	438.16	4.526		
15,700.00	7,875.00	15,944.16	7,950.00	218.99	225.06	90.96	1,760.43	-8,378.46	1,982.99	1,539.48	443.50	4.471		
15,800.00	7,875.00	16,044.16	7,950.00	221.67	227.72	90.96	1,760.41	-8,478.46	1,983.02	1,534.18	448.84	4.418		
15,900.00	7,875.00	16,144.16	7,950.00	224.35	230.38	90.96	1,760.40	-8,578.46	1,983.05	1,528.87	454.18	4.366		
16,000.00	7,875.00	16,244.16	7,950.00	227.02	233.04	90.96	1,760.38	-8,678.46	1,983.09	1,523.56	459.53	4.316		
16,100.00	7,875.00	16,344.16	7,950.00	229.70	235.70	90.96	1,760.36	-8,778.46	1,983.12	1,518.25	464.87	4.266		
16,200.00	7,875.00	16,444.16	7,950.00	232.38	238.36	90.96	1,760.35	-8,878.46	1,983.16	1,512.94	470.21	4.218		
16,300.00	7,875.00	16,544.16	7,950.00	235.06	241.02	90.96	1,760.33	-8,978.46	1,983.19	1,507.63	475.56	4.170		
16,400.00	7,875.00	16,644.16	7,950.00	237.73	243.68	90.96	1,760.32	-9,078.46	1,983.22	1,502.32	480.90	4.124		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 2CH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG, 2165-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
16,500.00	7,875.00	16,744.16	7,950.00	240.41	246.35	90.96	1,760.30	-9,178.46	1,983.26	1,497.01	486.25	4.079		
16,600.00	7,875.00	16,844.16	7,950.00	243.09	249.01	90.96	1,760.28	-9,278.46	1,983.29	1,491.70	491.60	4.034		
16,700.00	7,875.00	16,944.16	7,950.00	245.77	251.68	90.96	1,760.27	-9,378.46	1,983.33	1,486.38	496.94	3.991		
16,800.00	7,875.00	17,044.16	7,950.00	248.45	254.34	90.96	1,760.25	-9,478.46	1,983.36	1,481.07	502.29	3.949		
16,900.00	7,875.00	17,144.16	7,950.00	251.13	257.01	90.96	1,760.24	-9,578.46	1,983.40	1,475.75	507.64	3.907		
17,000.00	7,875.00	17,244.16	7,950.00	253.81	259.67	90.96	1,760.22	-9,678.46	1,983.43	1,470.44	512.99	3.866		
17,100.00	7,875.00	17,344.16	7,950.00	256.49	262.34	90.96	1,760.20	-9,778.46	1,983.46	1,465.12	518.34	3.827		
17,200.00	7,875.00	17,444.16	7,950.00	259.17	265.00	90.96	1,760.19	-9,878.46	1,983.50	1,459.81	523.69	3.788		
17,300.00	7,875.00	17,544.16	7,950.00	261.85	267.67	90.96	1,760.17	-9,978.46	1,983.53	1,454.49	529.04	3.749		
17,400.00	7,875.00	17,644.16	7,950.00	264.53	270.34	90.96	1,760.16	-10,078.46	1,983.57	1,449.17	534.40	3.712		
17,500.00	7,875.00	17,744.16	7,950.00	267.21	273.01	90.96	1,760.14	-10,178.46	1,983.60	1,443.85	539.75	3.675		
17,600.00	7,875.00	17,844.16	7,950.00	269.89	275.68	90.96	1,760.13	-10,278.46	1,983.63	1,438.53	545.10	3.639		
17,700.00	7,875.00	17,944.16	7,950.00	272.57	278.35	90.96	1,760.11	-10,378.46	1,983.67	1,433.21	550.46	3.604		
17,800.00	7,875.00	18,044.16	7,950.00	275.25	281.02	90.96	1,760.09	-10,478.46	1,983.70	1,427.89	555.81	3.569		
17,900.00	7,875.00	18,144.16	7,950.00	277.94	283.69	90.96	1,760.08	-10,578.46	1,983.74	1,422.57	561.17	3.535		
18,000.00	7,875.00	18,244.16	7,950.00	280.62	286.36	90.96	1,760.06	-10,678.46	1,983.77	1,417.25	566.52	3.502		
18,100.00	7,875.00	18,344.16	7,950.00	283.30	289.03	90.96	1,760.05	-10,778.46	1,983.80	1,411.93	571.88	3.469		
18,200.00	7,875.00	18,444.16	7,950.00	285.98	291.70	90.96	1,760.03	-10,878.46	1,983.84	1,406.60	577.23	3.437		
18,300.00	7,875.00	18,544.16	7,950.00	288.66	294.37	90.96	1,760.01	-10,978.46	1,983.87	1,401.28	582.59	3.405		
18,400.00	7,875.00	18,644.16	7,950.00	291.35	297.04	90.96	1,760.00	-11,078.46	1,983.91	1,395.96	587.95	3.374		
18,500.00	7,875.00	18,744.16	7,950.00	294.03	299.71	90.96	1,759.98	-11,178.46	1,983.94	1,390.64	593.31	3.344		
18,600.00	7,875.00	18,844.16	7,950.00	296.71	302.39	90.96	1,759.97	-11,278.46	1,983.97	1,385.31	598.66	3.314		
18,700.00	7,875.00	18,944.16	7,950.00	299.39	305.06	90.96	1,759.95	-11,378.46	1,984.01	1,379.99	604.02	3.285		
18,800.00	7,875.00	19,044.16	7,950.00	302.08	307.73	90.96	1,759.94	-11,478.46	1,984.04	1,374.66	609.38	3.256		
18,900.00	7,875.00	19,144.16	7,950.00	304.76	310.41	90.96	1,759.92	-11,578.46	1,984.08	1,369.34	614.74	3.228		
19,000.00	7,875.00	19,244.16	7,950.00	307.44	313.08	90.96	1,759.90	-11,678.46	1,984.11	1,364.01	620.10	3.200		
19,100.00	7,875.00	19,344.16	7,950.00	310.13	315.75	90.96	1,759.89	-11,778.46	1,984.14	1,358.68	625.46	3.172		
19,200.00	7,875.00	19,444.16	7,950.00	312.81	318.43	90.96	1,759.87	-11,878.46	1,984.18	1,353.36	630.82	3.145		
19,300.00	7,875.00	19,544.16	7,950.00	315.49	321.10	90.96	1,759.86	-11,978.46	1,984.21	1,348.03	636.18	3.119		
19,400.00	7,875.00	19,644.16	7,950.00	318.18	323.78	90.96	1,759.84	-12,078.46	1,984.25	1,342.70	641.54	3.093		
19,500.00	7,875.00	19,744.16	7,950.00	320.86	326.45	90.96	1,759.82	-12,178.46	1,984.28	1,337.38	646.90	3.067		
19,600.00	7,875.00	19,844.16	7,950.00	323.54	329.13	90.96	1,759.81	-12,278.46	1,984.32	1,332.05	652.27	3.042		
19,700.00	7,875.00	19,944.16	7,950.00	326.23	331.81	90.96	1,759.79	-12,378.46	1,984.35	1,326.72	657.63	3.017		
19,800.00	7,875.00	20,044.16	7,950.00	328.91	334.48	90.96	1,759.78	-12,478.46	1,984.38	1,321.39	662.99	2.993		
19,900.00	7,875.00	20,144.16	7,950.00	331.60	337.16	90.96	1,759.76	-12,578.46	1,984.42	1,316.06	668.35	2.969		
20,000.00	7,875.00	20,244.16	7,950.00	334.28	339.83	90.96	1,759.74	-12,678.46	1,984.45	1,310.74	673.72	2.946		
20,100.00	7,875.00	20,344.16	7,950.00	336.97	342.51	90.96	1,759.73	-12,778.46	1,984.49	1,305.41	679.08	2.922		
20,200.00	7,875.00	20,444.16	7,950.00	339.65	345.19	90.96	1,759.71	-12,878.46	1,984.52	1,300.08	684.44	2.899		
20,300.00	7,875.00	20,544.16	7,950.00	342.34	347.87	90.96	1,759.70	-12,978.46	1,984.55	1,294.75	689.81	2.877		
20,400.00	7,875.00	20,644.16	7,950.00	345.02	350.54	90.96	1,759.68	-13,078.46	1,984.59	1,289.42	695.17	2.855		
20,500.00	7,875.00	20,744.16	7,950.00	347.71	353.22	90.96	1,759.67	-13,178.46	1,984.62	1,284.09	700.54	2.833		
20,600.00	7,875.00	20,844.16	7,950.00	350.39	355.90	90.96	1,759.65	-13,278.46	1,984.66	1,278.76	705.90	2.812		
20,700.00	7,875.00	20,944.16	7,950.00	353.08	358.58	90.96	1,759.63	-13,378.46	1,984.69	1,273.42	711.27	2.790		
20,800.00	7,875.00	21,044.16	7,950.00	355.76	361.26	90.96	1,759.62	-13,478.46	1,984.72	1,268.09	716.63	2.770		
20,900.00	7,875.00	21,144.16	7,950.00	358.45	363.93	90.96	1,759.60	-13,578.46	1,984.76	1,262.76	722.00	2.749		
21,000.00	7,875.00	21,244.16	7,950.00	361.13	366.61	90.96	1,759.59	-13,678.46	1,984.79	1,257.43	727.36	2.729		
21,100.00	7,875.00	21,344.16	7,950.00	363.82	369.29	90.96	1,759.57	-13,778.46	1,984.83	1,252.10	732.73	2.709		
21,200.00	7,875.00	21,444.16	7,950.00	366.50	371.97	90.96	1,759.55	-13,878.46	1,984.86	1,246.77	738.09	2.689		
21,300.00	7,875.00	21,544.16	7,950.00	369.19	374.65	90.96	1,759.54	-13,978.46	1,984.89	1,241.43	743.46	2.670		
21,400.00	7,875.00	21,644.16	7,950.00	371.87	377.33	90.96	1,759.52	-14,078.46	1,984.93	1,236.10	748.83	2.651		
21,500.00	7,875.00	21,744.16	7,950.00	374.56	380.01	90.96	1,759.51	-14,178.46	1,984.96	1,230.77	754.19	2.632		
21,600.00	7,875.00	21,844.16	7,950.00	377.25	382.69	90.96	1,759.49	-14,278.46	1,985.00	1,225.44	759.56	2.613		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 2CH - OWB - PROPOSAL 1												Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG, 2165-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
21,700.00	7,875.00	21,944.16	7,950.00	379.93	385.37	90.96	1,759.48	-14,378.46	1,985.03	1,220.10	764.93	2.595	
21,800.00	7,875.00	22,044.16	7,950.00	382.62	388.05	90.96	1,759.46	-14,478.46	1,985.07	1,214.77	770.29	2.577	
21,900.00	7,875.00	22,144.16	7,950.00	385.30	390.73	90.96	1,759.44	-14,578.46	1,985.10	1,209.44	775.66	2.559	
22,000.00	7,875.00	22,244.16	7,950.00	387.99	393.41	90.96	1,759.43	-14,678.46	1,985.13	1,204.10	781.03	2.542	
22,100.00	7,875.00	22,344.16	7,950.00	390.68	396.09	90.96	1,759.41	-14,778.46	1,985.17	1,198.77	786.40	2.524	
22,200.00	7,875.00	22,444.16	7,950.00	393.36	398.77	90.96	1,759.40	-14,878.46	1,985.20	1,193.44	791.77	2.507	
22,300.00	7,875.00	22,544.16	7,950.00	396.05	401.45	90.96	1,759.38	-14,978.46	1,985.24	1,188.10	797.13	2.490	
22,400.00	7,875.00	22,644.16	7,950.00	398.73	404.13	90.96	1,759.36	-15,078.46	1,985.27	1,182.77	802.50	2.474	
22,500.00	7,875.00	22,744.16	7,950.00	401.42	406.81	90.96	1,759.35	-15,178.46	1,985.30	1,177.43	807.87	2.457	
22,600.00	7,875.00	22,844.16	7,950.00	404.11	409.49	90.96	1,759.33	-15,278.46	1,985.34	1,172.10	813.24	2.441	
22,700.00	7,875.00	22,944.16	7,950.00	406.79	412.18	90.96	1,759.32	-15,378.46	1,985.37	1,166.76	818.61	2.425	
22,800.00	7,875.00	23,044.16	7,950.00	409.48	414.86	90.96	1,759.30	-15,478.46	1,985.41	1,161.43	823.98	2.410	
22,900.00	7,875.00	23,144.16	7,950.00	412.17	417.54	90.96	1,759.28	-15,578.46	1,985.44	1,156.09	829.35	2.394	
23,000.00	7,875.00	23,244.16	7,950.00	414.85	420.22	90.96	1,759.27	-15,678.46	1,985.47	1,150.76	834.72	2.379	
23,100.00	7,875.00	23,344.16	7,950.00	417.54	422.90	90.96	1,759.25	-15,778.46	1,985.51	1,145.42	840.09	2.363	
23,186.11	7,875.00	23,430.27	7,950.00	419.85	425.21	90.96	1,759.24	-15,864.57	1,985.54	1,140.83	844.71	2.351 ES, SF	

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG, 2150-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							
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	0.10	0.10	0.00	0.00	-180.00	-25.14	0.00	25.14				
29.38	29.38	29.77	29.77	0.01	0.05	-54.85	-24.97	-0.23	24.93	24.89	0.04	583.038	
59.94	59.94	60.15	60.15	0.12	0.13	-76.04	-24.73	-0.68	24.65	24.41	0.24	102.077	
90.50	90.50	90.69	90.68	0.23	0.23	-44.03	-24.60	-1.11	24.43	23.97	0.46	53.111	
121.06	121.06	121.18	121.16	0.34	0.34	-40.67	-24.53	-1.55	24.14	23.46	0.68	35.554	
151.62	151.62	151.86	151.84	0.45	0.45	-74.57	-24.42	-2.04	23.85	22.95	0.90	26.537	
212.74	212.73	213.20	213.17	0.67	0.67	-52.12	-24.07	-3.55	23.28	21.94	1.34	17.377	
273.86	273.84	274.02	273.96	0.89	0.89	-66.04	-23.65	-5.28	22.60	20.82	1.78	12.717	
316.51	316.48	316.75	316.67	1.04	1.05	-62.25	-23.43	-6.22	22.12	20.03	2.08	10.611	
359.16	359.12	359.36	359.28	1.19	1.20	-59.26	-23.22	-6.75	21.38	18.99	2.39	8.942	
401.81	401.74	401.97	401.89	1.35	1.35	-58.52	-23.07	-7.15	20.42	17.72	2.70	7.566	
444.46	444.34	444.59	444.51	1.51	1.50	-66.65	-22.92	-7.55	19.35	16.35	3.01	6.436	
487.11	486.92	487.32	487.23	1.66	1.66	-72.38	-22.61	-7.94	18.19	14.87	3.32	5.484	
529.76	529.49	529.85	529.76	1.82	1.81	-81.77	-22.17	-8.18	17.11	13.48	3.62	4.721	
572.41	572.04	572.42	572.33	1.98	1.96	-90.48	-21.77	-8.40	16.46	12.53	3.93	4.185	
607.63	607.18	607.60	607.51	2.11	2.08	-101.58	-21.33	-8.55	16.25	12.06	4.19	3.880 CC	
615.06	614.59	615.02	614.92	2.14	2.11	-104.10	-21.20	-8.55	16.26	12.02	4.24	3.834	
657.71	657.13	657.39	657.28	2.30	2.25	-117.21	-20.36	-8.18	16.96	12.41	4.54	3.731	
700.36	699.68	699.63	699.50	2.46	2.40	-126.11	-19.47	-7.21	18.78	13.94	4.84	3.879	
743.01	742.23	742.07	741.92	2.61	2.54	-135.10	-18.56	-5.97	21.33	16.19	5.14	4.153	
785.66	784.78	784.51	784.32	2.77	2.69	-139.23	-17.47	-4.71	24.41	18.98	5.43	4.494	
828.31	827.31	826.88	826.65	2.94	2.83	-145.32	-16.28	-3.45	27.99	22.26	5.73	4.886	
870.96	869.88	869.41	869.15	3.09	2.98	-150.37	-15.03	-2.25	31.39	25.37	6.02	5.210	
913.61	912.48	911.80	911.51	3.25	3.13	-147.83	-13.68	-1.08	34.34	28.02	6.32	5.434	
956.26	955.09	954.24	953.91	3.41	3.28	-148.86	-12.42	0.19	37.39	30.77	6.62	5.648	
998.91	997.69	996.88	996.52	3.56	3.43	-151.52	-11.21	1.42	40.51	33.59	6.92	5.854	
1,041.56	1,040.31	1,039.53	1,039.13	3.72	3.58	-153.67	-10.07	2.51	43.34	36.12	7.22	6.002	
1,084.21	1,082.93	1,082.43	1,082.02	3.87	3.73	-152.11	-9.19	3.45	45.64	38.12	7.52	6.066	
1,126.86	1,125.57	1,125.04	1,124.61	4.03	3.88	-157.24	-8.55	4.25	47.75	39.92	7.83	6.101	
1,169.51	1,168.19	1,167.19	1,166.74	4.18	4.03	-154.04	-7.95	5.24	50.15	42.02	8.12	6.173	
1,212.16	1,210.82	1,209.71	1,209.24	4.34	4.18	-147.12	-7.35	6.46	52.69	44.27	8.42	6.255	
1,254.81	1,253.45	1,252.84	1,252.36	4.49	4.33	-136.03	-6.82	7.52	54.82	46.09	8.73	6.280	
1,297.46	1,296.09	1,294.85	1,294.35	4.64	4.48	-138.22	-6.34	8.54	56.76	47.73	9.02	6.289	
1,340.11	1,338.72	1,337.71	1,337.19	4.79	4.63	-134.67	-5.77	9.72	58.85	49.52	9.33	6.309	
1,382.76	1,381.36	1,380.64	1,380.10	4.95	4.78	-147.85	-5.21	10.65	60.86	51.23	9.63	6.318	
1,425.41	1,423.99	1,423.22	1,422.68	5.10	4.93	-163.45	-4.83	11.52	62.93	52.99	9.94	6.334	
1,468.06	1,466.62	1,465.61	1,465.06	5.26	5.08	-168.88	-4.57	12.51	65.24	55.01	10.24	6.374	
1,510.71	1,509.24	1,508.57	1,508.01	5.41	5.23	-165.37	-4.32	13.47	67.63	57.09	10.54	6.415	
1,553.36	1,551.88	1,550.76	1,550.18	5.56	5.38	-146.41	-4.08	14.39	69.62	58.78	10.84	6.422	
1,596.01	1,594.52	1,593.33	1,592.74	5.72	5.53	-150.55	-3.70	15.44	71.46	60.31	11.14	6.413	
1,638.66	1,637.16	1,636.25	1,635.64	5.87	5.68	-157.94	-3.20	16.37	73.14	61.69	11.45	6.389	
1,681.31	1,679.81	1,679.06	1,678.45	6.02	5.83	-141.70	-2.79	17.17	74.53	62.78	11.75	6.342	
1,723.96	1,722.45	1,721.16	1,720.53	6.17	5.98	-153.10	-2.20	17.97	76.11	64.05	12.05	6.315	
1,766.61	1,765.10	1,763.56	1,762.91	6.33	6.14	-149.38	-1.25	18.85	77.96	65.61	12.35	6.310	
1,809.26	1,807.74	1,806.51	1,805.84	6.48	6.29	-152.39	-0.05	19.59	79.70	67.04	12.66	6.295	
1,851.91	1,850.39	1,848.85	1,848.16	6.63	6.44	-164.62	1.08	20.30	81.56	68.60	12.96	6.292	
1,894.56	1,893.03	1,891.51	1,890.79	6.78	6.60	-167.77	2.19	21.10	83.57	70.30	13.27	6.298	
1,937.21	1,935.67	1,934.80	1,934.06	6.94	6.75	-169.53	3.37	21.69	85.29	71.71	13.58	6.281	
1,979.86	1,978.32	1,977.78	1,977.03	7.09	6.91	-170.97	4.44	22.00	86.69	72.80	13.89	6.243	
2,022.51	2,020.96	2,020.62	2,019.86	7.24	7.06	-160.20	5.54	22.13	87.96	73.77	14.19	6.198	
2,065.16	2,063.61	2,063.87	2,063.09	7.40	7.21	-162.96	6.59	22.07	89.07	74.57	14.50	6.143	
2,107.81	2,106.25	2,106.09	2,105.30	7.55	7.36	-143.67	7.61	21.93	90.08	75.28	14.80	6.086	

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 3CH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG, 2150-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
2,150.46	2,148.89	2,152.43	2,147.68	7.70	7.53	-144.72	8.78	21.89	91.24	76.12	15.12	6.035		
2,205.46	2,203.89	2,203.43	2,202.60	7.80	7.71	-145.90	10.35	21.88	92.84	77.44	15.40	6.030		
2,300.00	2,298.37	2,298.66	2,297.75	7.82	8.05	-179.32	14.03	20.70	96.79	81.04	15.75	6.146		
2,340.72	2,339.03	2,339.58	2,338.59	7.83	8.19	175.56	16.25	19.45	99.24	83.33	15.91	6.239		
2,400.00	2,398.21	2,399.03	2,397.86	7.86	8.40	173.11	20.13	16.85	103.10	86.96	16.14	6.389		
2,500.00	2,498.02	2,501.26	2,497.04	7.92	8.77	168.15	28.22	10.64	109.69	93.14	16.55	6.628		
2,600.00	2,597.84	2,598.05	2,595.77	7.99	9.11	163.53	36.61	4.05	117.00	100.03	16.96	6.897		
2,700.00	2,697.65	2,702.64	2,694.51	8.09	9.50	159.47	45.00	-2.55	124.97	107.55	17.42	7.173		
2,800.00	2,797.47	2,803.33	2,793.25	8.20	9.87	155.91	53.39	-9.14	133.50	115.61	17.89	7.463		
2,900.00	2,897.29	2,904.01	2,891.99	8.32	10.24	152.78	61.78	-15.73	142.48	124.11	18.37	7.755		
3,000.00	2,997.10	3,004.70	2,990.72	8.46	10.62	150.04	70.18	-22.33	151.83	132.96	18.87	8.046		
3,100.00	3,096.92	3,105.39	3,089.46	8.61	10.99	147.61	78.57	-28.92	161.49	142.10	19.39	8.330		
3,200.00	3,196.73	3,206.08	3,188.20	8.78	11.37	145.46	86.96	-35.52	171.40	151.49	19.92	8.607		
3,300.00	3,296.55	3,306.76	3,286.93	8.96	11.75	143.55	95.35	-42.11	181.53	161.07	20.46	8.873		
3,400.00	3,396.37	3,407.45	3,385.67	9.15	12.13	141.84	103.75	-48.70	191.84	170.82	21.01	9.129		
3,500.00	3,496.18	3,508.14	3,484.41	9.35	12.52	140.30	112.14	-55.30	202.30	180.72	21.58	9.374		
3,600.00	3,596.00	3,608.83	3,583.15	9.56	12.90	138.92	120.53	-61.89	212.89	190.73	22.16	9.607		
3,700.00	3,695.81	3,709.51	3,681.88	9.78	13.29	137.66	128.92	-68.48	223.59	200.84	22.75	9.828		
3,800.00	3,795.63	3,789.80	3,780.62	10.01	13.59	136.53	137.32	-75.08	234.38	211.11	23.27	10.072		
3,900.00	3,895.45	3,889.11	3,879.36	10.25	13.98	135.49	145.71	-81.67	245.27	221.39	23.87	10.273		
4,000.00	3,995.26	3,988.42	3,978.10	10.50	14.36	134.54	154.10	-88.26	256.22	231.73	24.48	10.465		
4,100.00	4,095.08	4,087.74	4,076.83	10.76	14.74	133.67	162.49	-94.86	267.24	242.13	25.10	10.646		
4,200.00	4,194.89	4,187.05	4,175.57	11.02	15.12	132.87	170.88	-101.45	278.31	252.58	25.73	10.817		
4,300.00	4,294.71	4,286.36	4,274.31	11.28	15.51	132.13	179.28	-108.04	289.43	263.07	26.36	10.980		
4,400.00	4,394.53	4,385.67	4,373.05	11.56	15.89	131.44	187.67	-114.64	300.60	273.60	27.00	11.134		
4,500.00	4,494.34	4,484.98	4,471.78	11.84	16.28	130.80	196.06	-121.23	311.81	284.16	27.64	11.280		
4,600.00	4,594.16	4,584.30	4,570.52	12.12	16.66	130.21	204.45	-127.82	323.05	294.76	28.29	11.418		
4,700.00	4,693.97	4,683.61	4,669.26	12.41	17.05	129.66	212.85	-134.42	334.32	305.38	28.95	11.549		
4,800.00	4,793.79	4,782.92	4,767.99	12.70	17.44	129.14	221.24	-141.01	345.63	316.02	29.61	11.674		
4,900.00	4,893.61	4,882.23	4,866.73	13.00	17.82	128.66	229.63	-147.61	356.95	326.69	30.27	11.792		
5,000.00	4,993.42	4,981.55	4,965.47	13.30	18.21	128.20	238.02	-154.20	368.31	337.37	30.94	11.905		
5,100.00	5,093.24	5,080.86	5,064.21	13.61	18.60	127.78	246.41	-160.79	379.68	348.07	31.61	12.012		
5,200.00	5,193.06	5,180.17	5,162.94	13.92	18.99	127.38	254.81	-167.39	391.08	358.79	32.28	12.114		
5,300.00	5,292.87	5,279.48	5,261.68	14.23	19.38	127.00	263.20	-173.98	402.49	369.53	32.96	12.211		
5,400.00	5,392.69	5,378.80	5,360.42	14.54	19.76	126.64	271.59	-180.57	413.91	380.27	33.64	12.303		
5,500.00	5,492.50	5,478.11	5,459.16	14.86	20.15	126.30	279.98	-187.17	425.36	391.03	34.33	12.391		
5,600.00	5,592.32	5,577.42	5,557.89	15.18	20.54	125.98	288.38	-193.76	436.81	401.80	35.01	12.476		
5,700.00	5,692.14	5,676.73	5,656.63	15.50	20.93	125.67	296.77	-200.35	448.28	412.58	35.70	12.556		
5,800.00	5,791.95	5,776.05	5,755.37	15.83	21.32	125.38	305.16	-206.95	459.77	423.37	36.39	12.633		
5,900.00	5,891.77	5,875.36	5,854.11	16.16	21.71	125.11	313.55	-213.54	471.26	434.17	37.09	12.706		
6,000.00	5,991.58	5,974.67	5,952.84	16.48	22.10	124.85	321.95	-220.13	482.76	444.98	37.78	12.777		
6,100.00	6,091.40	6,073.98	6,051.58	16.81	22.49	124.60	330.34	-226.73	494.28	455.79	38.48	12.844		
6,200.00	6,191.22	6,173.30	6,150.32	17.15	22.88	124.36	338.73	-233.32	505.80	466.61	39.18	12.909		
6,300.00	6,291.03	6,272.61	6,249.05	17.48	23.27	124.13	347.12	-239.91	517.33	477.44	39.88	12.971		
6,400.00	6,390.85	6,371.92	6,347.79	17.82	23.66	123.91	355.51	-246.51	528.86	488.28	40.59	13.030		
6,500.00	6,490.66	6,471.23	6,446.53	18.15	24.05	123.70	363.91	-253.10	540.41	499.12	41.29	13.087		
6,600.00	6,590.48	6,570.55	6,545.27	18.49	24.45	123.50	372.30	-259.70	551.96	509.96	42.00	13.142		
6,700.00	6,690.30	6,669.86	6,644.00	18.83	24.84	123.31	380.69	-266.29	563.52	520.81	42.71	13.195		
6,800.00	6,790.11	6,769.17	6,742.74	19.17	25.23	123.12	389.08	-272.88	575.08	531.67	43.42	13.246		
6,900.00	6,889.93	6,868.48	6,841.48	19.52	25.62	122.95	397.48	-279.48	586.65	542.53	44.13	13.295		
7,000.00	6,989.74	6,967.80	6,940.22	19.86	26.01	122.78	405.87	-286.07	598.23	553.39	44.84	13.342		
7,100.00	7,089.56	7,067.11	7,038.95	20.21	26.40	122.61	414.26	-292.66	609.81	564.26	45.55	13.387		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 3CH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG, 2150-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
7,200.00	7,189.38	7,166.42	7,137.69	20.55	26.79	122.46	422.65	-299.26	621.39	575.13	46.27	13.431		
7,300.00	7,289.19	7,265.73	7,236.43	20.90	27.19	122.30	431.05	-305.85	632.98	586.00	46.98	13.473		
7,342.81	7,331.92	7,308.25	7,278.69	21.05	27.35	122.24	434.64	-308.67	637.94	590.66	47.29	13.491		
7,350.00	7,339.10	7,315.39	7,285.80	21.07	27.38	116.89	435.24	-309.15	638.78	591.44	47.34	13.494		
7,400.00	7,388.77	7,365.00	7,335.11	21.26	27.58	102.03	439.43	-312.44	644.60	596.89	47.71	13.511		
7,450.00	7,437.78	7,414.23	7,384.07	21.46	27.77	97.76	443.59	-315.71	650.46	602.36	48.10	13.524		
7,500.00	7,485.76	7,463.58	7,433.11	21.68	27.97	96.07	447.76	-319.21	656.44	607.93	48.51	13.533		
7,550.00	7,532.34	7,515.15	7,483.98	21.91	28.18	95.33	452.08	-326.40	662.47	613.50	48.96	13.530		
7,600.00	7,577.17	7,567.90	7,535.13	22.16	28.42	95.00	456.43	-338.46	668.47	619.01	49.46	13.515		
7,650.00	7,619.91	7,621.90	7,586.11	22.44	28.67	94.88	460.75	-355.64	674.38	624.38	50.00	13.487		
7,700.00	7,660.24	7,677.18	7,636.40	22.74	28.95	94.89	465.02	-378.14	680.13	629.54	50.59	13.445		
7,750.00	7,697.84	7,733.78	7,685.41	23.07	29.24	94.98	469.17	-406.11	685.66	634.43	51.23	13.385		
7,800.00	7,732.43	7,791.72	7,732.48	23.43	29.57	95.12	473.16	-439.62	690.89	638.96	51.93	13.305		
7,850.00	7,763.75	7,850.99	7,776.89	23.84	29.93	95.27	476.91	-478.64	695.74	643.05	52.69	13.204		
7,900.00	7,791.55	7,911.53	7,817.86	24.29	30.34	95.44	480.37	-523.04	700.16	646.61	53.55	13.075		
7,950.00	7,815.64	7,973.28	7,854.61	24.79	30.81	95.60	483.47	-572.54	704.06	649.56	54.50	12.918		
8,000.00	7,835.81	8,036.11	7,886.33	25.35	31.34	95.75	486.14	-626.67	707.38	651.82	55.56	12.731		
8,050.00	7,851.93	8,099.89	7,912.29	25.96	31.93	95.87	488.32	-684.85	710.07	653.32	56.74	12.514		
8,100.00	7,863.86	8,164.40	7,931.84	26.62	32.61	95.96	489.95	-746.27	712.07	654.01	58.06	12.265		
8,150.00	7,871.52	8,229.45	7,944.47	27.33	33.36	96.01	490.99	-810.04	713.35	653.86	59.48	11.993		
8,200.00	7,874.85	8,294.77	7,949.82	28.07	34.16	96.03	491.41	-875.11	713.88	652.87	61.01	11.701		
8,213.19	7,875.00	8,311.38	7,950.00	28.27	34.37	96.02	491.41	-891.71	713.89	652.47	61.42	11.623		
8,300.00	7,875.00	8,401.81	7,950.00	29.67	35.60	96.02	491.37	-978.52	713.89	649.81	64.09	11.140		
8,400.00	7,875.00	8,501.81	7,950.00	31.43	37.09	96.02	491.32	-1,078.52	713.89	646.52	67.37	10.596		
8,500.00	7,875.00	8,601.81	7,950.00	33.31	38.72	96.02	491.26	-1,178.52	713.89	642.98	70.91	10.068		
8,600.00	7,875.00	8,701.81	7,950.00	35.29	40.46	96.02	491.21	-1,278.52	713.88	639.22	74.66	9.562		
8,700.00	7,875.00	8,801.81	7,950.00	37.37	42.31	96.02	491.16	-1,378.52	713.88	635.28	78.60	9.083		
8,800.00	7,875.00	8,901.81	7,950.00	39.52	44.24	96.02	491.11	-1,478.52	713.88	631.19	82.69	8.633		
8,900.00	7,875.00	9,001.81	7,950.00	41.73	46.25	96.02	491.05	-1,578.52	713.88	626.95	86.93	8.212		
9,000.00	7,875.00	9,101.81	7,950.00	44.00	48.32	96.02	491.00	-1,678.52	713.88	622.60	91.27	7.821		
9,100.00	7,875.00	9,201.81	7,950.00	46.32	50.46	96.02	490.95	-1,778.52	713.87	618.15	95.72	7.458		
9,200.00	7,875.00	9,301.81	7,950.00	48.67	52.64	96.02	490.90	-1,878.52	713.87	613.61	100.26	7.120		
9,300.00	7,875.00	9,401.81	7,950.00	51.05	54.87	96.02	490.85	-1,978.52	713.87	608.99	104.87	6.807		
9,400.00	7,875.00	9,501.81	7,950.00	53.47	57.14	96.02	490.79	-2,078.52	713.87	604.31	109.55	6.516		
9,500.00	7,875.00	9,601.81	7,950.00	55.91	59.45	96.02	490.74	-2,178.52	713.86	599.57	114.29	6.246		
9,600.00	7,875.00	9,701.81	7,950.00	58.37	61.79	96.02	490.69	-2,278.52	713.86	594.78	119.08	5.995		
9,700.00	7,875.00	9,801.81	7,950.00	60.85	64.15	96.02	490.64	-2,378.52	713.86	589.94	123.92	5.761		
9,800.00	7,875.00	9,901.81	7,950.00	63.35	66.54	96.02	490.58	-2,478.52	713.86	585.06	128.80	5.542		
9,900.00	7,875.00	10,001.81	7,950.00	65.86	68.95	96.02	490.53	-2,578.52	713.85	580.14	133.71	5.339		
10,000.00	7,875.00	10,101.81	7,950.00	68.39	71.39	96.02	490.48	-2,678.52	713.85	575.19	138.66	5.148		
10,100.00	7,875.00	10,201.81	7,950.00	70.93	73.84	96.02	490.43	-2,778.52	713.85	570.22	143.63	4.970		
10,200.00	7,875.00	10,301.81	7,950.00	73.48	76.30	96.02	490.37	-2,878.52	713.85	565.21	148.63	4.803		
10,300.00	7,875.00	10,401.81	7,950.00	76.04	78.78	96.02	490.32	-2,978.52	713.84	560.19	153.66	4.646		
10,400.00	7,875.00	10,501.81	7,950.00	78.61	81.28	96.02	490.27	-3,078.52	713.84	555.14	158.70	4.498		
10,500.00	7,875.00	10,601.81	7,950.00	81.19	83.79	96.02	490.22	-3,178.52	713.84	550.07	163.77	4.359		
10,600.00	7,875.00	10,701.81	7,950.00	83.77	86.30	96.02	490.16	-3,278.52	713.84	544.98	168.85	4.228		
10,700.00	7,875.00	10,801.81	7,950.00	86.36	88.83	96.02	490.11	-3,378.52	713.83	539.88	173.95	4.104		
10,800.00	7,875.00	10,901.81	7,950.00	88.96	91.37	96.02	490.06	-3,478.52	713.83	534.77	179.07	3.986		
10,900.00	7,875.00	11,001.81	7,950.00	91.56	93.92	96.02	490.01	-3,578.52	713.83	529.63	184.19	3.875		
11,000.00	7,875.00	11,101.81	7,950.00	94.17	96.47	96.02	489.95	-3,678.52	713.83	524.49	189.33	3.770		
11,100.00	7,875.00	11,201.81	7,950.00	96.78	99.03	96.02	489.90	-3,778.52	713.82	519.34	194.49	3.670		
11,200.00	7,875.00	11,301.81	7,950.00	99.39	101.60	96.02	489.85	-3,878.52	713.82	514.17	199.65	3.575		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 3CH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG, 2150-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
11,300.00	7,875.00	11,401.81	7,950.00	102.01	104.17	96.02	489.80	-3,978.52	713.82	509.00	204.82	3.485		
11,400.00	7,875.00	11,501.81	7,950.00	104.64	106.75	96.02	489.75	-4,078.52	713.82	503.82	210.00	3.399		
11,500.00	7,875.00	11,601.81	7,950.00	107.26	109.34	96.02	489.69	-4,178.52	713.82	498.62	215.19	3.317		
11,600.00	7,875.00	11,701.81	7,950.00	109.89	111.93	96.02	489.64	-4,278.52	713.81	493.42	220.39	3.239		
11,700.00	7,875.00	11,801.81	7,950.00	112.52	114.53	96.02	489.59	-4,378.52	713.81	488.22	225.59	3.164		
11,800.00	7,875.00	11,901.81	7,950.00	115.16	117.12	96.02	489.54	-4,478.52	713.81	483.00	230.80	3.093		
11,900.00	7,875.00	12,001.81	7,950.00	117.80	119.73	96.02	489.48	-4,578.52	713.81	477.78	236.02	3.024		
12,000.00	7,875.00	12,101.81	7,950.00	120.44	122.34	96.02	489.43	-4,678.52	713.80	472.56	241.25	2.959		
12,100.00	7,875.00	12,201.81	7,950.00	123.08	124.95	96.02	489.38	-4,778.52	713.80	467.33	246.48	2.896		
12,200.00	7,875.00	12,301.81	7,950.00	125.73	127.56	96.02	489.33	-4,878.52	713.80	462.09	251.71	2.836		
12,300.00	7,875.00	12,401.81	7,950.00	128.37	130.18	96.02	489.27	-4,978.52	713.80	456.85	256.95	2.778		
12,400.00	7,875.00	12,501.81	7,950.00	131.02	132.80	96.02	489.22	-5,078.52	713.79	451.60	262.19	2.722		
12,500.00	7,875.00	12,601.81	7,950.00	133.67	135.42	96.02	489.17	-5,178.52	713.79	446.35	267.44	2.669		
12,600.00	7,875.00	12,701.81	7,950.00	136.32	138.05	96.02	489.12	-5,278.52	713.79	441.10	272.69	2.618		
12,700.00	7,875.00	12,801.81	7,950.00	138.97	140.67	96.02	489.06	-5,378.52	713.79	435.84	277.95	2.568		
12,800.00	7,875.00	12,901.81	7,950.00	141.63	143.30	96.02	489.01	-5,478.52	713.78	430.57	283.21	2.520		
12,900.00	7,875.00	13,001.81	7,950.00	144.28	145.94	96.02	488.96	-5,578.52	713.78	425.31	288.47	2.474		
13,000.00	7,875.00	13,101.81	7,950.00	146.94	148.57	96.02	488.91	-5,678.52	713.78	420.04	293.74	2.430		
13,100.00	7,875.00	13,201.81	7,950.00	149.60	151.21	96.02	488.86	-5,778.52	713.78	414.77	299.01	2.387		
13,200.00	7,875.00	13,301.81	7,950.00	152.26	153.85	96.02	488.80	-5,878.52	713.77	409.49	304.28	2.346		
13,300.00	7,875.00	13,401.81	7,950.00	154.92	156.49	96.02	488.75	-5,978.52	713.77	404.22	309.56	2.306		
13,400.00	7,875.00	13,501.81	7,950.00	157.58	159.13	96.02	488.70	-6,078.52	713.77	398.94	314.83	2.267		
13,500.00	7,875.00	13,601.81	7,950.00	160.24	161.77	96.02	488.65	-6,178.52	713.77	393.65	320.11	2.230		
13,600.00	7,875.00	13,701.81	7,950.00	162.91	164.42	96.02	488.59	-6,278.52	713.76	388.37	325.40	2.194		
13,700.00	7,875.00	13,801.81	7,950.00	165.57	167.07	96.02	488.54	-6,378.52	713.76	383.08	330.68	2.158		
13,800.00	7,875.00	13,901.81	7,950.00	168.24	169.71	96.02	488.49	-6,478.52	713.76	377.79	335.97	2.124		
13,900.00	7,875.00	14,001.81	7,950.00	170.90	172.36	96.02	488.44	-6,578.52	713.76	372.50	341.26	2.092		
14,000.00	7,875.00	14,101.81	7,950.00	173.57	175.01	96.02	488.38	-6,678.52	713.76	367.21	346.55	2.060		
14,100.00	7,875.00	14,201.81	7,950.00	176.24	177.66	96.02	488.33	-6,778.52	713.75	361.91	351.84	2.029		
14,200.00	7,875.00	14,301.81	7,950.00	178.90	180.32	96.02	488.28	-6,878.52	713.75	356.61	357.14	1.999		
14,300.00	7,875.00	14,401.81	7,950.00	181.57	182.97	96.02	488.23	-6,978.52	713.75	351.31	362.43	1.969		
14,400.00	7,875.00	14,501.81	7,950.00	184.24	185.63	96.02	488.17	-7,078.52	713.75	346.01	367.73	1.941		
14,500.00	7,875.00	14,601.81	7,950.00	186.91	188.28	96.02	488.12	-7,178.52	713.74	340.71	373.03	1.913		
14,600.00	7,875.00	14,701.81	7,950.00	189.58	190.94	96.02	488.07	-7,278.52	713.74	335.41	378.33	1.887		
14,700.00	7,875.00	14,801.81	7,950.00	192.26	193.60	96.02	488.02	-7,378.52	713.74	330.10	383.64	1.860		
14,800.00	7,875.00	14,901.81	7,950.00	194.93	196.26	96.02	487.97	-7,478.52	713.74	324.80	388.94	1.835		
14,900.00	7,875.00	15,001.81	7,950.00	197.60	198.92	96.02	487.91	-7,578.52	713.73	319.49	394.25	1.810		
15,000.00	7,875.00	15,101.81	7,950.00	200.27	201.58	96.02	487.86	-7,678.52	713.73	314.18	399.55	1.786		
15,100.00	7,875.00	15,201.81	7,950.00	202.95	204.24	96.02	487.81	-7,778.52	713.73	308.87	404.86	1.763		
15,200.00	7,875.00	15,301.81	7,950.00	205.62	206.90	96.02	487.76	-7,878.52	713.73	303.56	410.17	1.740		
15,300.00	7,875.00	15,401.81	7,950.00	208.29	209.56	96.02	487.70	-7,978.52	713.72	298.24	415.48	1.718		
15,400.00	7,875.00	15,501.81	7,950.00	210.97	212.23	96.02	487.65	-8,078.52	713.72	292.93	420.79	1.696		
15,500.00	7,875.00	15,601.81	7,950.00	213.64	214.89	96.02	487.60	-8,178.52	713.72	287.61	426.10	1.675		
15,600.00	7,875.00	15,701.81	7,950.00	216.32	217.56	96.02	487.55	-8,278.52	713.72	282.30	431.42	1.654		
15,700.00	7,875.00	15,801.81	7,950.00	218.99	220.22	96.02	487.49	-8,378.52	713.71	276.98	436.73	1.634		
15,800.00	7,875.00	15,901.81	7,950.00	221.67	222.89	96.02	487.44	-8,478.52	713.71	271.66	442.05	1.615		
15,900.00	7,875.00	16,001.81	7,950.00	224.35	225.56	96.02	487.39	-8,578.52	713.71	266.35	447.36	1.595		
16,000.00	7,875.00	16,101.81	7,950.00	227.02	228.22	96.02	487.34	-8,678.52	713.71	261.03	452.68	1.577		
16,100.00	7,875.00	16,201.81	7,950.00	229.70	230.89	96.02	487.28	-8,778.52	713.70	255.71	458.00	1.558		
16,200.00	7,875.00	16,301.81	7,950.00	232.38	233.56	96.02	487.23	-8,878.52	713.70	250.38	463.32	1.540		
16,300.00	7,875.00	16,401.81	7,950.00	235.06	236.23	96.02	487.18	-8,978.52	713.70	245.06	468.64	1.523		
16,400.00	7,875.00	16,501.81	7,950.00	237.73	238.90	96.02	487.13	-9,078.52	713.70	239.74	473.96	1.506		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 3CH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG, 2150-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
16,500.00	7,875.00	16,601.81	7,950.00	240.41	241.57	96.02	487.07	-9,178.52	713.70	234.42	479.28	1.489	Level 3	
16,600.00	7,875.00	16,701.81	7,950.00	243.09	244.24	96.02	487.02	-9,278.52	713.69	229.09	484.60	1.473	Level 3	
16,700.00	7,875.00	16,801.81	7,950.00	245.77	246.91	96.02	486.97	-9,378.52	713.69	223.77	489.92	1.457	Level 3	
16,800.00	7,875.00	16,901.81	7,950.00	248.45	249.58	96.02	486.92	-9,478.52	713.69	218.44	495.25	1.441	Level 3	
16,900.00	7,875.00	17,001.81	7,950.00	251.13	252.25	96.02	486.87	-9,578.52	713.69	213.12	500.57	1.426	Level 3	
17,000.00	7,875.00	17,101.81	7,950.00	253.81	254.92	96.02	486.81	-9,678.52	713.68	207.79	505.89	1.411	Level 3	
17,100.00	7,875.00	17,201.81	7,950.00	256.49	257.60	96.02	486.76	-9,778.52	713.68	202.46	511.22	1.396	Level 3	
17,200.00	7,875.00	17,301.81	7,950.00	259.17	260.27	96.02	486.71	-9,878.52	713.68	197.13	516.54	1.382	Level 3	
17,300.00	7,875.00	17,401.81	7,950.00	261.85	262.94	96.02	486.66	-9,978.52	713.68	191.81	521.87	1.368	Level 3	
17,400.00	7,875.00	17,501.81	7,950.00	264.53	265.62	96.02	486.60	-10,078.52	713.67	186.48	527.20	1.354	Level 3	
17,500.00	7,875.00	17,601.81	7,950.00	267.21	268.29	96.02	486.55	-10,178.52	713.67	181.15	532.52	1.340	Level 3	
17,600.00	7,875.00	17,701.81	7,950.00	269.89	270.96	96.02	486.50	-10,278.52	713.67	175.82	537.85	1.327	Level 3	
17,700.00	7,875.00	17,801.81	7,950.00	272.57	273.64	96.02	486.45	-10,378.52	713.67	170.49	543.18	1.314	Level 3	
17,800.00	7,875.00	17,901.81	7,950.00	275.25	276.31	96.02	486.39	-10,478.52	713.66	165.15	548.51	1.301	Level 3	
17,900.00	7,875.00	18,001.81	7,950.00	277.94	278.99	96.02	486.34	-10,578.52	713.66	159.82	553.84	1.289	Level 3	
18,000.00	7,875.00	18,101.81	7,950.00	280.62	281.66	96.02	486.29	-10,678.52	713.66	154.49	559.17	1.276	Level 3	
18,100.00	7,875.00	18,201.81	7,950.00	283.30	284.34	96.02	486.24	-10,778.52	713.66	149.16	564.50	1.264	Level 3	
18,200.00	7,875.00	18,301.81	7,950.00	285.98	287.02	96.02	486.18	-10,878.52	713.65	143.83	569.83	1.252	Level 3	
18,300.00	7,875.00	18,401.81	7,950.00	288.66	289.69	96.02	486.13	-10,978.52	713.65	138.49	575.16	1.241	Level 2	
18,400.00	7,875.00	18,501.81	7,950.00	291.35	292.37	96.02	486.08	-11,078.52	713.65	133.16	580.49	1.229	Level 2	
18,500.00	7,875.00	18,601.81	7,950.00	294.03	295.05	96.02	486.03	-11,178.52	713.65	127.82	585.82	1.218	Level 2	
18,600.00	7,875.00	18,701.81	7,950.00	296.71	297.72	96.02	485.98	-11,278.52	713.64	122.49	591.15	1.207	Level 2	
18,700.00	7,875.00	18,801.81	7,950.00	299.39	300.40	96.02	485.92	-11,378.52	713.64	117.15	596.49	1.196	Level 2	
18,800.00	7,875.00	18,901.81	7,950.00	302.08	303.08	96.02	485.87	-11,478.52	713.64	111.82	601.82	1.186	Level 2	
18,900.00	7,875.00	19,001.81	7,950.00	304.76	305.76	96.02	485.82	-11,578.52	713.64	106.48	607.15	1.175	Level 2	
19,000.00	7,875.00	19,101.81	7,950.00	307.44	308.43	96.02	485.77	-11,678.52	713.64	101.15	612.49	1.165	Level 2	
19,100.00	7,875.00	19,201.81	7,950.00	310.13	311.11	96.02	485.71	-11,778.52	713.63	95.81	617.82	1.155	Level 2	
19,200.00	7,875.00	19,301.81	7,950.00	312.81	313.79	96.02	485.66	-11,878.52	713.63	90.47	623.16	1.145	Level 2	
19,300.00	7,875.00	19,401.81	7,950.00	315.49	316.47	96.02	485.61	-11,978.52	713.63	85.14	628.49	1.135	Level 2	
19,400.00	7,875.00	19,501.81	7,950.00	318.18	319.15	96.02	485.56	-12,078.52	713.63	79.80	633.83	1.126	Level 2	
19,500.00	7,875.00	19,601.81	7,950.00	320.86	321.83	96.02	485.50	-12,178.52	713.62	74.46	639.16	1.117	Level 2	
19,600.00	7,875.00	19,701.81	7,950.00	323.54	324.51	96.02	485.45	-12,278.52	713.62	69.12	644.50	1.107	Level 2	
19,700.00	7,875.00	19,801.81	7,950.00	326.23	327.19	96.02	485.40	-12,378.52	713.62	63.79	649.83	1.098	Level 2	
19,800.00	7,875.00	19,901.81	7,950.00	328.91	329.87	96.02	485.35	-12,478.52	713.62	58.45	655.17	1.089	Level 2	
19,900.00	7,875.00	20,001.81	7,950.00	331.60	332.55	96.02	485.29	-12,578.52	713.61	53.11	660.50	1.080	Level 2	
20,000.00	7,875.00	20,101.81	7,950.00	334.28	335.23	96.02	485.24	-12,678.52	713.61	47.77	665.84	1.072	Level 2	
20,100.00	7,875.00	20,201.81	7,950.00	336.97	337.91	96.02	485.19	-12,778.52	713.61	42.43	671.18	1.063	Level 2	
20,200.00	7,875.00	20,301.81	7,950.00	339.65	340.59	96.02	485.14	-12,878.52	713.61	37.09	676.51	1.055	Level 2	
20,300.00	7,875.00	20,401.81	7,950.00	342.34	343.27	96.02	485.08	-12,978.52	713.60	31.75	681.85	1.047	Level 2	
20,400.00	7,875.00	20,501.81	7,950.00	345.02	345.95	96.02	485.03	-13,078.52	713.60	26.41	687.19	1.038	Level 2	
20,500.00	7,875.00	20,601.81	7,950.00	347.71	348.63	96.02	484.98	-13,178.52	713.60	21.07	692.53	1.030	Level 2	
20,600.00	7,875.00	20,701.81	7,950.00	350.39	351.31	96.02	484.93	-13,278.52	713.60	15.73	697.87	1.023	Level 2	
20,700.00	7,875.00	20,801.81	7,950.00	353.08	353.99	96.02	484.88	-13,378.52	713.59	10.39	703.20	1.015	Level 2	
20,800.00	7,875.00	20,901.81	7,950.00	355.76	356.67	96.02	484.82	-13,478.52	713.59	5.05	708.54	1.007	Level 2	
20,900.00	7,875.00	21,001.81	7,950.00	358.45	359.35	96.02	484.77	-13,578.52	713.59	-0.29	713.88	1.000	Level 1	
21,000.00	7,875.00	21,101.81	7,950.00	361.13	362.04	96.03	484.72	-13,678.52	713.59	-5.63	719.22	0.992	Level 1	
21,100.00	7,875.00	21,201.81	7,950.00	363.82	364.72	96.03	484.67	-13,778.52	713.58	-10.98	724.56	0.985	Level 1	
21,200.00	7,875.00	21,301.81	7,950.00	366.50	367.40	96.03	484.61	-13,878.52	713.58	-16.32	729.90	0.978	Level 1	
21,300.00	7,875.00	21,401.81	7,950.00	369.19	370.08	96.03	484.56	-13,978.52	713.58	-21.66	735.24	0.971	Level 1	
21,400.00	7,875.00	21,501.81	7,950.00	371.87	372.76	96.03	484.51	-14,078.52	713.58	-27.00	740.58	0.964	Level 1	
21,500.00	7,875.00	21,601.81	7,950.00	374.56	375.45	96.03	484.46	-14,178.52	713.58	-32.34	745.92	0.957	Level 1	
21,600.00	7,875.00	21,701.81	7,950.00	377.25	378.13	96.03	484.40	-14,278.52	713.57	-37.69	751.26	0.950	Level 1	

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 3CH - OWB - PROPOSAL 1												Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG, 2150-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							
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
21,700.00	7,875.00	21,801.81	7,950.00	379.93	380.81	96.03	484.35	-14,378.52	713.57	-43.03	756.60	0.943	Level 1
21,800.00	7,875.00	21,901.81	7,950.00	382.62	383.49	96.03	484.30	-14,478.52	713.57	-48.37	761.94	0.937	Level 1
21,900.00	7,875.00	22,001.81	7,950.00	385.30	386.18	96.03	484.25	-14,578.52	713.57	-53.72	767.28	0.930	Level 1
22,000.00	7,875.00	22,101.81	7,950.00	387.99	388.86	96.03	484.19	-14,678.52	713.56	-59.06	772.62	0.924	Level 1
22,100.00	7,875.00	22,201.81	7,950.00	390.68	391.54	96.03	484.14	-14,778.52	713.56	-64.40	777.96	0.917	Level 1
22,200.00	7,875.00	22,301.81	7,950.00	393.36	394.22	96.03	484.09	-14,878.52	713.56	-69.75	783.30	0.911	Level 1
22,300.00	7,875.00	22,401.81	7,950.00	396.05	396.91	96.03	484.04	-14,978.52	713.56	-75.09	788.65	0.905	Level 1
22,400.00	7,875.00	22,501.81	7,950.00	398.73	399.59	96.03	483.99	-15,078.52	713.55	-80.43	793.99	0.899	Level 1
22,500.00	7,875.00	22,601.81	7,950.00	401.42	402.27	96.03	483.93	-15,178.52	713.55	-85.78	799.33	0.893	Level 1
22,600.00	7,875.00	22,701.81	7,950.00	404.11	404.96	96.03	483.88	-15,278.52	713.55	-91.12	804.67	0.887	Level 1
22,700.00	7,875.00	22,801.81	7,950.00	406.79	407.64	96.03	483.83	-15,378.52	713.55	-96.47	810.01	0.881	Level 1
22,800.00	7,875.00	22,901.81	7,950.00	409.48	410.32	96.03	483.78	-15,478.52	713.54	-101.81	815.36	0.875	Level 1
22,900.00	7,875.00	23,001.81	7,950.00	412.17	413.01	96.03	483.72	-15,578.52	713.54	-107.16	820.70	0.869	Level 1
23,000.00	7,875.00	23,101.81	7,950.00	414.85	415.69	96.03	483.67	-15,678.52	713.54	-112.50	826.04	0.864	Level 1
23,100.00	7,875.00	23,201.81	7,950.00	417.54	418.38	96.03	483.62	-15,778.52	713.54	-117.85	831.38	0.858	Level 1
23,186.11	7,875.00	23,284.30	7,950.00	419.85	420.59	96.03	483.57	-15,864.63	713.53	-122.35	835.89	0.854	Level 1, ES, SF

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 4CH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG, 2150-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.10	0.10	0.00	0.00	-179.68	-49.91	-0.28	49.91					
29.38	29.38	29.44	29.44	0.01	0.01	-54.94	-49.92	-0.34	49.88	49.87	0.02	2,568.667		
43.50	43.50	43.51	43.51	0.06	0.06	-63.85	-49.94	-0.40	49.87	49.75	0.12	408.900		
59.94	59.94	59.90	59.90	0.12	0.12	-76.91	-49.97	-0.45	49.89	49.65	0.24	208.895		
90.50	90.50	89.94	89.94	0.23	0.23	-45.54	-50.21	-0.63	50.04	49.58	0.46	109.365		
121.06	121.06	121.02	121.02	0.34	0.34	-42.67	-50.46	-0.91	50.05	49.37	0.68	73.915		
151.62	151.62	151.56	151.56	0.45	0.45	-77.04	-50.55	-1.18	49.95	49.05	0.90	55.767		
165.60	165.59	165.54	165.53	0.50	0.50	-72.74	-50.60	-1.29	49.95	48.95	1.00	50.160		
212.74	212.73	212.68	212.68	0.67	0.67	-56.88	-50.75	-1.72	49.86	48.53	1.33	37.391		
273.86	273.84	273.90	273.89	0.89	0.89	-73.37	-50.94	-2.43	49.70	47.93	1.77	28.042		
316.51	316.48	316.49	316.47	1.04	1.04	-70.72	-51.01	-2.65	49.50	47.42	2.08	23.844		
359.16	359.12	358.98	358.97	1.19	1.18	-68.01	-51.16	-2.42	49.22	46.85	2.37	20.728		
401.81	401.74	401.07	401.05	1.35	1.33	-66.75	-51.58	-2.00	49.04	46.37	2.67	18.349		
405.44	405.36	404.65	404.63	1.36	1.34	-67.36	-51.64	-1.96	49.04	46.34	2.70	18.173 CC		
444.46	444.34	443.14	443.11	1.51	1.47	-73.38	-52.45	-1.61	49.27	46.30	2.97	16.562		
487.11	486.92	485.55	485.51	1.66	1.62	-76.15	-53.65	-1.34	49.88	46.59	3.28	15.200		
529.76	529.49	528.08	528.01	1.82	1.78	-80.28	-54.98	-1.32	50.65	47.06	3.59	14.108		
572.41	572.04	570.66	570.56	1.98	1.93	-82.23	-56.37	-1.45	51.54	47.64	3.90	13.212		
615.06	614.59	612.86	612.74	2.14	2.08	-87.75	-57.91	-1.62	52.73	48.52	4.21	12.521		
657.71	657.13	654.90	654.73	2.30	2.23	-90.59	-59.78	-1.73	54.45	49.93	4.52	12.042		
700.36	699.68	697.02	696.80	2.46	2.39	-89.47	-62.01	-1.72	56.57	51.74	4.83	11.705		
743.01	742.23	739.35	739.05	2.61	2.54	-90.23	-64.54	-1.77	58.89	53.74	5.14	11.447		
785.66	784.78	781.59	781.20	2.77	2.70	-87.28	-67.33	-1.99	61.29	55.83	5.46	11.232		
828.31	827.31	824.25	823.75	2.94	2.86	-87.63	-70.27	-2.26	63.67	57.90	5.77	11.031		
870.96	869.88	866.78	866.19	3.09	3.01	-88.33	-73.20	-2.60	66.03	59.94	6.09	10.849		
913.61	912.48	909.23	908.52	3.25	3.17	-81.96	-76.21	-2.98	68.36	61.96	6.40	10.687		
956.26	955.09	951.95	951.14	3.41	3.33	-79.66	-79.27	-3.39	70.55	63.84	6.71	10.516		
998.91	997.69	994.28	993.35	3.56	3.49	-79.48	-82.33	-3.80	72.70	65.69	7.02	10.359		
1,041.56	1,040.31	1,036.90	1,035.85	3.72	3.65	-79.20	-85.50	-4.20	74.99	67.67	7.33	10.232		
1,084.21	1,082.93	1,079.70	1,078.54	3.87	3.81	-75.65	-88.63	-4.64	77.25	69.61	7.64	10.111		
1,126.86	1,125.57	1,122.14	1,120.86	4.03	3.97	-79.19	-91.67	-5.05	79.49	71.55	7.95	10.001		
1,169.51	1,168.19	1,164.90	1,163.51	4.18	4.13	-74.74	-94.72	-5.38	81.72	73.46	8.26	9.895		
1,212.16	1,210.82	1,207.36	1,205.87	4.34	4.29	-66.67	-97.66	-5.62	83.80	75.23	8.57	9.781		
1,254.81	1,253.45	1,249.83	1,248.24	4.49	4.45	-54.36	-100.62	-5.71	85.81	76.93	8.87	9.670		
1,297.46	1,296.09	1,293.04	1,291.35	4.64	4.61	-55.38	-103.50	-5.76	87.69	78.51	9.18	9.549		
1,340.11	1,338.72	1,337.69	1,335.94	4.79	4.78	-50.92	-105.70	-5.73	88.93	79.43	9.50	9.361		
1,382.76	1,381.36	1,381.27	1,379.51	4.95	4.94	-63.56	-106.95	-5.60	89.42	79.61	9.81	9.115		
1,425.41	1,423.99	1,423.80	1,422.03	5.10	5.09	-79.16	-107.94	-5.47	89.97	79.86	10.12	8.893		
1,468.06	1,466.62	1,467.13	1,465.35	5.26	5.24	-85.13	-108.77	-5.27	90.61	80.19	10.43	8.690		
1,510.71	1,509.24	1,511.56	1,509.77	5.41	5.39	-82.46	-108.93	-5.08	90.68	79.95	10.73	8.449		
1,553.36	1,551.88	1,554.74	1,552.96	5.56	5.53	-64.15	-108.49	-4.97	90.09	79.06	11.03	8.170		
1,596.01	1,594.52	1,597.09	1,595.30	5.72	5.67	-68.67	-108.00	-4.88	89.37	78.05	11.32	7.896		
1,638.66	1,637.16	1,639.82	1,638.03	5.87	5.80	-76.35	-107.54	-4.80	88.79	77.18	11.61	7.648		
1,681.31	1,679.81	1,682.21	1,680.42	6.02	5.94	-60.39	-107.12	-4.68	88.28	76.38	11.90	7.417		
1,723.96	1,722.45	1,725.07	1,723.27	6.17	6.08	-72.01	-106.67	-4.54	87.71	75.52	12.20	7.192		
1,766.61	1,765.10	1,768.05	1,766.25	6.33	6.22	-68.37	-106.09	-4.44	87.03	74.54	12.49	6.967		
1,809.26	1,807.74	1,810.96	1,809.16	6.48	6.36	-71.28	-105.36	-4.40	86.22	73.44	12.79	6.744		
1,851.91	1,850.39	1,853.76	1,851.95	6.63	6.50	-83.63	-104.52	-4.40	85.38	72.30	13.08	6.527		
1,894.56	1,893.03	1,896.75	1,894.93	6.78	6.64	-87.06	-103.58	-4.49	84.49	71.11	13.38	6.315		
1,937.21	1,935.67	1,939.69	1,937.85	6.94	6.78	-89.06	-102.44	-4.61	83.48	69.81	13.67	6.105		
1,979.86	1,978.32	1,982.23	1,980.37	7.09	6.92	-90.82	-101.19	-4.66	82.45	68.48	13.97	5.901		
2,022.51	2,020.96	2,024.94	2,023.07	7.24	7.07	-80.34	-99.91	-4.70	81.36	67.09	14.27	5.702		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 4CH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG, 2150-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
2,065.16	2,063.61	2,067.30	2,065.40	7.40	7.21	-83.39	-98.66	-4.68	80.29	65.73	14.57	5.512		
2,107.81	2,106.25	2,109.63	2,107.72	7.55	7.35	-64.28	-97.59	-4.67	79.28	64.42	14.86	5.333		
2,150.46	2,148.89	2,151.92	2,150.00	7.70	7.49	-65.34	-96.70	-4.61	78.33	63.16	15.16	5.166		
2,205.46	2,203.89	2,206.89	2,204.95	7.80	7.68	-66.63	-95.61	-4.44	77.23	61.78	15.45	4.999		
2,269.22	2,267.62	2,269.87	2,267.94	7.81	7.89	-94.37	-95.02	-4.50	76.62	60.93	15.68	4.885		
2,300.00	2,298.37	2,300.30	2,298.37	7.82	8.00	-99.70	-95.20	-4.71	76.76	60.97	15.79	4.860		
2,340.72	2,339.03	2,340.56	2,338.62	7.83	8.14	-104.33	-95.90	-5.17	77.39	61.44	15.95	4.851		
2,400.00	2,398.21	2,399.21	2,397.22	7.86	8.35	-105.29	-97.86	-6.21	78.92	62.73	16.19	4.875		
2,500.00	2,498.02	2,498.11	2,495.90	7.92	8.71	-105.04	-103.71	-8.94	82.54	65.94	16.60	4.971		
2,600.00	2,597.84	2,596.78	2,594.08	7.99	9.08	-102.76	-112.69	-12.89	87.53	70.49	17.03	5.138		
2,700.00	2,697.65	2,694.98	2,691.40	8.09	9.45	-98.88	-124.76	-18.05	94.21	76.73	17.48	5.391		
2,800.00	2,797.47	2,806.32	2,788.81	8.20	9.89	-94.21	-139.41	-24.20	102.75	84.76	17.98	5.713		
2,900.00	2,897.29	2,907.04	2,886.75	8.32	10.29	-90.15	-154.37	-30.49	112.02	93.55	18.47	6.064		
3,000.00	2,997.10	3,007.76	2,984.69	8.46	10.70	-86.72	-169.33	-36.77	121.77	102.79	18.98	6.416		
3,100.00	3,096.92	3,108.48	3,082.64	8.61	11.11	-83.80	-184.30	-43.06	131.88	112.38	19.50	6.764		
3,200.00	3,196.73	3,209.20	3,180.58	8.78	11.52	-81.30	-199.26	-49.34	142.29	122.26	20.03	7.104		
3,300.00	3,296.55	3,309.93	3,278.52	8.96	11.94	-79.15	-214.22	-55.62	152.93	132.35	20.57	7.433		
3,400.00	3,396.37	3,389.35	3,376.47	9.15	12.27	-77.28	-229.18	-61.91	163.75	142.70	21.05	7.779		
3,500.00	3,496.18	3,488.63	3,474.41	9.35	12.69	-75.64	-244.14	-68.19	174.73	153.11	21.61	8.084		
3,600.00	3,596.00	3,587.91	3,572.36	9.56	13.11	-74.19	-259.11	-74.47	185.83	163.64	22.19	8.375		
3,700.00	3,695.81	3,687.19	3,670.30	9.78	13.53	-72.91	-274.07	-80.76	197.03	174.26	22.77	8.652		
3,800.00	3,795.63	3,786.47	3,768.24	10.01	13.95	-71.77	-289.03	-87.04	208.32	184.96	23.37	8.915		
3,900.00	3,895.45	3,885.75	3,866.19	10.25	14.38	-70.74	-303.99	-93.32	219.69	195.72	23.97	9.165		
4,000.00	3,995.26	3,985.03	3,964.13	10.50	14.80	-69.82	-318.96	-99.61	231.12	206.54	24.58	9.402		
4,100.00	4,095.08	4,084.31	4,062.07	10.76	15.23	-68.98	-333.92	-105.89	242.60	217.40	25.20	9.627		
4,200.00	4,194.89	4,183.59	4,160.02	11.02	15.66	-68.22	-348.88	-112.18	254.13	228.30	25.83	9.840		
4,300.00	4,294.71	4,282.87	4,257.96	11.28	16.09	-67.52	-363.84	-118.46	265.70	239.24	26.46	10.041		
4,400.00	4,394.53	4,382.14	4,355.91	11.56	16.52	-66.88	-378.80	-124.74	277.30	250.20	27.10	10.233		
4,500.00	4,494.34	4,481.42	4,453.85	11.84	16.96	-66.30	-393.77	-131.03	288.94	261.19	27.74	10.414		
4,600.00	4,594.16	4,580.70	4,551.79	12.12	17.39	-65.76	-408.73	-137.31	300.60	272.20	28.40	10.586		
4,700.00	4,693.97	4,679.98	4,649.74	12.41	17.83	-65.26	-423.69	-143.59	312.29	283.24	29.05	10.750		
4,800.00	4,793.79	4,779.26	4,747.68	12.70	18.26	-64.79	-438.65	-149.88	324.00	294.28	29.71	10.905		
4,900.00	4,893.61	4,878.54	4,845.62	13.00	18.70	-64.36	-453.62	-156.16	335.73	305.35	30.38	11.052		
5,000.00	4,993.42	4,977.82	4,943.57	13.30	19.14	-63.96	-468.58	-162.44	347.47	316.43	31.05	11.192		
5,100.00	5,093.24	5,077.10	5,041.51	13.61	19.58	-63.58	-483.54	-168.73	359.23	327.52	31.72	11.326		
5,200.00	5,193.06	5,176.38	5,139.46	13.92	20.01	-63.23	-498.50	-175.01	371.01	338.62	32.39	11.453		
5,300.00	5,292.87	5,275.66	5,237.40	14.23	20.45	-62.90	-513.46	-181.30	382.80	349.73	33.07	11.574		
5,400.00	5,392.69	5,374.93	5,335.34	14.54	20.89	-62.59	-528.43	-187.58	394.60	360.84	33.76	11.689		
5,500.00	5,492.50	5,474.21	5,433.29	14.86	21.34	-62.29	-543.39	-193.86	406.41	371.97	34.44	11.800		
5,600.00	5,592.32	5,573.49	5,531.23	15.18	21.78	-62.02	-558.35	-200.15	418.24	383.10	35.13	11.905		
5,700.00	5,692.14	5,672.77	5,629.18	15.50	22.22	-61.76	-573.31	-206.43	430.07	394.24	35.82	12.005		
5,800.00	5,791.95	5,772.05	5,727.12	15.83	22.66	-61.51	-588.27	-212.71	441.91	405.39	36.52	12.101		
5,900.00	5,891.77	5,871.33	5,825.06	16.16	23.10	-61.28	-603.24	-219.00	453.75	416.54	37.21	12.193		
6,000.00	5,991.58	5,970.61	5,923.01	16.48	23.55	-61.05	-618.20	-225.28	465.61	427.70	37.91	12.282		
6,100.00	6,091.40	6,069.89	6,020.95	16.81	23.99	-60.84	-633.16	-231.56	477.47	438.86	38.61	12.366		
6,200.00	6,191.22	6,169.17	6,118.89	17.15	24.43	-60.64	-648.12	-237.85	489.34	450.02	39.31	12.447		
6,300.00	6,291.03	6,268.45	6,216.84	17.48	24.88	-60.45	-663.09	-244.13	501.21	461.19	40.02	12.525		
6,400.00	6,390.85	6,367.73	6,314.78	17.82	25.32	-60.27	-678.05	-250.42	513.09	472.36	40.72	12.599		
6,500.00	6,490.66	6,467.00	6,412.73	18.15	25.77	-60.09	-693.01	-256.70	524.97	483.54	41.43	12.671		
6,600.00	6,590.48	6,566.28	6,510.67	18.49	26.21	-59.92	-707.97	-262.98	536.86	494.72	42.14	12.740		
6,700.00	6,690.30	6,665.56	6,608.61	18.83	26.66	-59.76	-722.93	-269.27	548.75	505.90	42.85	12.806		
6,800.00	6,790.11	6,764.84	6,706.56	19.17	27.10	-59.61	-737.90	-275.55	560.65	517.08	43.56	12.870		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 4CH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG, 2150-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
6,900.00	6,889.93	6,864.12	6,804.50	19.52	27.55	-59.47	-752.86	-281.83	572.54	528.27	44.28	12.931		
7,000.00	6,989.74	6,963.40	6,902.44	19.86	27.99	-59.33	-767.82	-288.12	584.45	539.46	44.99	12.991		
7,100.00	7,089.56	7,062.68	7,000.39	20.21	28.44	-59.19	-782.78	-294.40	596.35	550.65	45.71	13.048		
7,200.00	7,189.38	7,161.96	7,098.33	20.55	28.89	-59.06	-797.75	-300.68	608.26	561.84	46.42	13.103		
7,300.00	7,289.19	7,261.24	7,196.28	20.90	29.33	-58.94	-812.71	-306.97	620.18	573.04	47.14	13.156		
7,342.81	7,331.92	7,303.73	7,238.20	21.05	29.52	-58.88	-819.11	-309.66	625.28	577.83	47.45	13.178		
7,350.00	7,339.10	7,310.88	7,245.25	21.07	29.56	-64.06	-820.19	-310.11	626.13	578.63	47.50	13.182		
7,400.00	7,388.77	7,360.46	7,294.16	21.26	29.78	-78.10	-827.66	-313.25	632.11	584.22	47.88	13.201		
7,450.00	7,437.78	7,409.66	7,342.70	21.46	30.00	-82.32	-835.08	-316.36	638.12	589.81	48.31	13.210		
7,500.00	7,485.76	7,458.10	7,390.49	21.68	30.22	-84.62	-842.38	-319.43	644.25	595.48	48.76	13.211		
7,550.00	7,532.34	7,506.91	7,438.62	21.91	30.44	-86.39	-849.73	-322.85	650.64	601.36	49.27	13.204		
7,600.00	7,577.17	7,558.80	7,489.38	22.16	30.68	-87.86	-857.48	-330.21	657.20	607.35	49.85	13.184		
7,650.00	7,619.91	7,612.38	7,540.87	22.44	30.94	-89.09	-865.36	-342.66	663.83	613.36	50.47	13.153		
7,700.00	7,660.24	7,667.77	7,592.66	22.74	31.22	-90.17	-873.28	-360.58	670.46	619.32	51.13	13.112		
7,750.00	7,697.84	7,725.11	7,644.21	23.07	31.51	-91.15	-881.16	-384.37	676.98	625.14	51.84	13.059		
7,800.00	7,732.43	7,784.49	7,694.83	23.43	31.83	-92.04	-888.91	-414.36	683.30	630.72	52.58	12.995		
7,850.00	7,763.75	7,845.99	7,743.74	23.84	32.16	-92.85	-896.40	-450.84	689.32	635.96	53.36	12.918		
7,900.00	7,791.55	7,909.63	7,789.97	24.29	32.53	-93.58	-903.48	-493.94	694.91	640.73	54.19	12.824		
7,950.00	7,815.64	7,975.38	7,832.48	24.79	32.92	-94.24	-910.00	-543.63	699.97	644.91	55.07	12.712		
8,000.00	7,835.81	8,043.12	7,870.09	25.35	33.37	-94.81	-915.77	-599.63	704.37	648.37	56.01	12.577		
8,050.00	7,851.93	8,112.67	7,901.63	25.96	33.87	-95.28	-920.62	-661.38	708.01	650.98	57.03	12.414		
8,100.00	7,863.86	8,183.73	7,925.99	26.62	34.45	-95.65	-924.38	-727.99	710.79	652.63	58.16	12.221		
8,150.00	7,871.52	8,255.94	7,942.19	27.33	35.10	-95.89	-926.89	-798.26	712.63	653.23	59.40	11.997		
8,200.00	7,874.85	8,328.84	7,949.57	28.07	35.84	-96.01	-928.05	-870.72	713.48	652.72	60.76	11.743		
8,213.19	7,875.00	8,348.12	7,949.99	28.27	36.05	-96.02	-928.13	-890.00	713.53	652.40	61.13	11.673		
8,300.00	7,875.00	8,435.90	7,950.00	29.67	37.07	-96.03	-928.17	-977.78	713.53	649.80	63.73	11.196		
8,400.00	7,875.00	8,535.90	7,950.00	31.43	38.39	-96.03	-928.23	-1,077.78	713.54	646.55	66.99	10.652		
8,500.00	7,875.00	8,635.90	7,950.00	33.31	39.86	-96.03	-928.28	-1,177.78	713.54	643.04	70.50	10.121		
8,600.00	7,875.00	8,735.90	7,950.00	35.29	41.46	-96.03	-928.33	-1,277.78	713.54	639.31	74.23	9.613		
8,700.00	7,875.00	8,835.90	7,950.00	37.37	43.18	-96.03	-928.38	-1,377.78	713.54	635.40	78.15	9.131		
8,800.00	7,875.00	8,935.90	7,950.00	39.52	45.01	-96.03	-928.44	-1,477.78	713.55	631.32	82.23	8.678		
8,900.00	7,875.00	9,035.90	7,950.00	41.73	46.92	-96.03	-928.49	-1,577.78	713.55	627.11	86.44	8.255		
9,000.00	7,875.00	9,135.90	7,950.00	44.00	48.92	-96.03	-928.54	-1,677.78	713.55	622.77	90.78	7.860		
9,100.00	7,875.00	9,235.90	7,950.00	46.32	50.98	-96.03	-928.59	-1,777.78	713.55	618.33	95.22	7.494		
9,200.00	7,875.00	9,335.90	7,950.00	48.67	53.10	-96.03	-928.65	-1,877.78	713.56	613.81	99.75	7.154		
9,300.00	7,875.00	9,435.90	7,950.00	51.05	55.28	-96.03	-928.70	-1,977.78	713.56	609.20	104.36	6.838		
9,400.00	7,875.00	9,535.90	7,950.00	53.47	57.49	-96.03	-928.75	-2,077.78	713.56	604.53	109.03	6.545		
9,500.00	7,875.00	9,635.90	7,950.00	55.91	59.75	-96.03	-928.80	-2,177.78	713.56	599.80	113.76	6.272		
9,600.00	7,875.00	9,735.90	7,950.00	58.37	62.05	-96.03	-928.86	-2,277.78	713.57	595.01	118.55	6.019		
9,700.00	7,875.00	9,835.90	7,950.00	60.85	64.38	-96.03	-928.91	-2,377.78	713.57	590.18	123.39	5.783		
9,800.00	7,875.00	9,935.90	7,950.00	63.35	66.73	-96.03	-928.96	-2,477.78	713.57	585.31	128.26	5.563		
9,900.00	7,875.00	10,035.90	7,950.00	65.86	69.12	-96.03	-929.01	-2,577.78	713.57	580.40	133.17	5.358		
10,000.00	7,875.00	10,135.90	7,950.00	68.39	71.52	-96.03	-929.07	-2,677.78	713.58	575.46	138.12	5.166		
10,100.00	7,875.00	10,235.90	7,950.00	70.93	73.94	-96.03	-929.12	-2,777.78	713.58	570.49	143.09	4.987		
10,200.00	7,875.00	10,335.90	7,950.00	73.48	76.39	-96.03	-929.17	-2,877.78	713.58	565.49	148.09	4.819		
10,300.00	7,875.00	10,435.90	7,950.00	76.04	78.84	-96.03	-929.22	-2,977.78	713.58	560.47	153.11	4.660		
10,400.00	7,875.00	10,535.90	7,950.00	78.61	81.32	-96.03	-929.28	-3,077.78	713.58	555.42	158.16	4.512		
10,500.00	7,875.00	10,635.90	7,950.00	81.19	83.81	-96.03	-929.33	-3,177.78	713.59	550.36	163.23	4.372		
10,600.00	7,875.00	10,735.90	7,950.00	83.77	86.31	-96.02	-929.38	-3,277.78	713.59	545.28	168.31	4.240		
10,700.00	7,875.00	10,835.90	7,950.00	86.36	88.82	-96.02	-929.43	-3,377.78	713.59	540.18	173.41	4.115		
10,800.00	7,875.00	10,935.90	7,950.00	88.96	91.34	-96.02	-929.48	-3,477.78	713.59	535.07	178.52	3.997		
10,900.00	7,875.00	11,035.90	7,950.00	91.56	93.87	-96.02	-929.54	-3,577.78	713.60	529.94	183.65	3.886		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 4CH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG, 2150-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
11,000.00	7,875.00	11,135.90	7,950.00	94.17	96.41	-96.02	-929.59	-3,677.78	713.60	524.81	188.79	3.780		
11,100.00	7,875.00	11,235.90	7,950.00	96.78	98.96	-96.02	-929.64	-3,777.78	713.60	519.65	193.95	3.679		
11,200.00	7,875.00	11,335.90	7,950.00	99.39	101.52	-96.02	-929.69	-3,877.78	713.60	514.49	199.11	3.584		
11,300.00	7,875.00	11,435.90	7,950.00	102.01	104.08	-96.02	-929.75	-3,977.78	713.61	509.32	204.28	3.493		
11,400.00	7,875.00	11,535.90	7,950.00	104.64	106.65	-96.02	-929.80	-4,077.78	713.61	504.14	209.47	3.407		
11,500.00	7,875.00	11,635.90	7,950.00	107.26	109.22	-96.02	-929.85	-4,177.78	713.61	498.95	214.66	3.324		
11,600.00	7,875.00	11,735.90	7,950.00	109.89	111.80	-96.02	-929.90	-4,277.78	713.61	493.76	219.86	3.246		
11,700.00	7,875.00	11,835.90	7,950.00	112.52	114.39	-96.02	-929.96	-4,377.78	713.62	488.55	225.06	3.171		
11,800.00	7,875.00	11,935.90	7,950.00	115.16	116.98	-96.02	-930.01	-4,477.78	713.62	483.34	230.27	3.099		
11,900.00	7,875.00	12,035.90	7,950.00	117.80	119.58	-96.02	-930.06	-4,577.78	713.62	478.13	235.49	3.030		
12,000.00	7,875.00	12,135.90	7,950.00	120.44	122.18	-96.02	-930.11	-4,677.78	713.62	472.90	240.72	2.965		
12,100.00	7,875.00	12,235.90	7,950.00	123.08	124.78	-96.02	-930.17	-4,777.78	713.63	467.68	245.95	2.902		
12,200.00	7,875.00	12,335.90	7,950.00	125.73	127.39	-96.02	-930.22	-4,877.78	713.63	462.44	251.19	2.841		
12,300.00	7,875.00	12,435.90	7,950.00	128.37	130.00	-96.02	-930.27	-4,977.78	713.63	457.20	256.43	2.783		
12,400.00	7,875.00	12,535.90	7,950.00	131.02	132.61	-96.02	-930.32	-5,077.78	713.63	451.96	261.67	2.727		
12,500.00	7,875.00	12,635.90	7,950.00	133.67	135.23	-96.02	-930.38	-5,177.78	713.64	446.71	266.92	2.674		
12,600.00	7,875.00	12,735.90	7,950.00	136.32	137.85	-96.02	-930.43	-5,277.78	713.64	441.46	272.18	2.622		
12,700.00	7,875.00	12,835.90	7,950.00	138.97	140.47	-96.02	-930.48	-5,377.78	713.64	436.21	277.44	2.572		
12,800.00	7,875.00	12,935.90	7,950.00	141.63	143.09	-96.02	-930.53	-5,477.78	713.64	430.95	282.70	2.524		
12,900.00	7,875.00	13,035.90	7,950.00	144.28	145.72	-96.02	-930.59	-5,577.78	713.65	425.68	287.96	2.478		
13,000.00	7,875.00	13,135.90	7,950.00	146.94	148.35	-96.02	-930.64	-5,677.78	713.65	420.42	293.23	2.434		
13,100.00	7,875.00	13,235.90	7,950.00	149.60	150.98	-96.02	-930.69	-5,777.78	713.65	415.15	298.50	2.391		
13,200.00	7,875.00	13,335.90	7,950.00	152.26	153.62	-96.02	-930.74	-5,877.78	713.65	409.88	303.78	2.349		
13,300.00	7,875.00	13,435.90	7,950.00	154.92	156.25	-96.02	-930.79	-5,977.78	713.66	404.60	309.05	2.309		
13,400.00	7,875.00	13,535.90	7,950.00	157.58	158.89	-96.02	-930.85	-6,077.78	713.66	399.32	314.33	2.270		
13,500.00	7,875.00	13,635.90	7,950.00	160.24	161.53	-96.02	-930.90	-6,177.78	713.66	394.04	319.62	2.233		
13,600.00	7,875.00	13,735.90	7,950.00	162.91	164.17	-96.02	-930.95	-6,277.78	713.66	388.76	324.90	2.197		
13,700.00	7,875.00	13,835.90	7,950.00	165.57	166.81	-96.02	-931.00	-6,377.78	713.67	383.48	330.19	2.161		
13,800.00	7,875.00	13,935.90	7,950.00	168.24	169.46	-96.02	-931.06	-6,477.78	713.67	378.19	335.48	2.127		
13,900.00	7,875.00	14,035.90	7,950.00	170.90	172.10	-96.02	-931.11	-6,577.78	713.67	372.90	340.77	2.094		
14,000.00	7,875.00	14,135.90	7,950.00	173.57	174.75	-96.02	-931.16	-6,677.78	713.67	367.61	346.06	2.062		
14,100.00	7,875.00	14,235.90	7,950.00	176.24	177.40	-96.02	-931.21	-6,777.78	713.68	362.32	351.36	2.031		
14,200.00	7,875.00	14,335.90	7,950.00	178.90	180.05	-96.02	-931.27	-6,877.78	713.68	357.02	356.66	2.001		
14,300.00	7,875.00	14,435.90	7,950.00	181.57	182.70	-96.02	-931.32	-6,977.78	713.68	351.73	361.95	1.972		
14,400.00	7,875.00	14,535.90	7,950.00	184.24	185.35	-96.02	-931.37	-7,077.78	713.68	346.43	367.25	1.943		
14,500.00	7,875.00	14,635.90	7,950.00	186.91	188.00	-96.02	-931.42	-7,177.78	713.68	341.13	372.56	1.916		
14,600.00	7,875.00	14,735.90	7,950.00	189.58	190.66	-96.02	-931.48	-7,277.78	713.69	335.83	377.86	1.889		
14,700.00	7,875.00	14,835.90	7,950.00	192.26	193.31	-96.02	-931.53	-7,377.78	713.69	330.52	383.17	1.863		
14,800.00	7,875.00	14,935.90	7,950.00	194.93	195.97	-96.02	-931.58	-7,477.78	713.69	325.22	388.47	1.837		
14,900.00	7,875.00	15,035.90	7,950.00	197.60	198.63	-96.02	-931.63	-7,577.78	713.69	319.92	393.78	1.812		
15,000.00	7,875.00	15,135.90	7,950.00	200.27	201.28	-96.02	-931.69	-7,677.78	713.70	314.61	399.09	1.788		
15,100.00	7,875.00	15,235.90	7,950.00	202.95	203.94	-96.02	-931.74	-7,777.78	713.70	309.30	404.40	1.765		
15,200.00	7,875.00	15,335.90	7,950.00	205.62	206.60	-96.02	-931.79	-7,877.78	713.70	303.99	409.71	1.742		
15,300.00	7,875.00	15,435.90	7,950.00	208.29	209.26	-96.02	-931.84	-7,977.78	713.70	298.68	415.02	1.720		
15,400.00	7,875.00	15,535.90	7,950.00	210.97	211.92	-96.02	-931.90	-8,077.78	713.71	293.37	420.34	1.698		
15,500.00	7,875.00	15,635.90	7,950.00	213.64	214.59	-96.02	-931.95	-8,177.78	713.71	288.06	425.65	1.677		
15,600.00	7,875.00	15,735.90	7,950.00	216.32	217.25	-96.02	-932.00	-8,277.78	713.71	282.75	430.97	1.656		
15,700.00	7,875.00	15,835.90	7,950.00	218.99	219.91	-96.02	-932.05	-8,377.78	713.71	277.43	436.28	1.636		
15,800.00	7,875.00	15,935.90	7,950.00	221.67	222.58	-96.02	-932.10	-8,477.78	713.72	272.12	441.60	1.616		
15,900.00	7,875.00	16,035.90	7,950.00	224.35	225.24	-96.02	-932.16	-8,577.78	713.72	266.80	446.92	1.597		
16,000.00	7,875.00	16,135.90	7,950.00	227.02	227.91	-96.02	-932.21	-8,677.78	713.72	261.48	452.24	1.578		
16,100.00	7,875.00	16,235.90	7,950.00	229.70	230.57	-96.02	-932.26	-8,777.78	713.72	256.17	457.56	1.560		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 4CH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG, 2150-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
16,200.00	7,875.00	16,335.90	7,950.00	232.38	233.24	-96.02	-932.31	-8,877.78	713.73	250.85	462.88	1.542		
16,300.00	7,875.00	16,435.90	7,950.00	235.06	235.91	-96.02	-932.37	-8,977.78	713.73	245.53	468.20	1.524		
16,400.00	7,875.00	16,535.90	7,950.00	237.73	238.57	-96.02	-932.42	-9,077.78	713.73	240.21	473.52	1.507		
16,500.00	7,875.00	16,635.90	7,950.00	240.41	241.24	-96.02	-932.47	-9,177.78	713.73	234.89	478.85	1.491 Level 3		
16,600.00	7,875.00	16,735.90	7,950.00	243.09	243.91	-96.02	-932.52	-9,277.78	713.74	229.56	484.17	1.474 Level 3		
16,700.00	7,875.00	16,835.90	7,950.00	245.77	246.58	-96.02	-932.58	-9,377.78	713.74	224.24	489.50	1.458 Level 3		
16,800.00	7,875.00	16,935.90	7,950.00	248.45	249.25	-96.02	-932.63	-9,477.78	713.74	218.92	494.82	1.442 Level 3		
16,900.00	7,875.00	17,035.90	7,950.00	251.13	251.92	-96.02	-932.68	-9,577.78	713.74	213.60	500.15	1.427 Level 3		
17,000.00	7,875.00	17,135.90	7,950.00	253.81	254.59	-96.02	-932.73	-9,677.78	713.75	208.27	505.47	1.412 Level 3		
17,100.00	7,875.00	17,235.90	7,950.00	256.49	257.26	-96.02	-932.79	-9,777.78	713.75	202.95	510.80	1.397 Level 3		
17,200.00	7,875.00	17,335.90	7,950.00	259.17	259.93	-96.02	-932.84	-9,877.78	713.75	197.62	516.13	1.383 Level 3		
17,300.00	7,875.00	17,435.90	7,950.00	261.85	262.61	-96.02	-932.89	-9,977.78	713.75	192.29	521.46	1.369 Level 3		
17,400.00	7,875.00	17,535.90	7,950.00	264.53	265.28	-96.02	-932.94	-10,077.78	713.76	186.97	526.79	1.355 Level 3		
17,500.00	7,875.00	17,635.90	7,950.00	267.21	267.95	-96.02	-933.00	-10,177.78	713.76	181.64	532.12	1.341 Level 3		
17,600.00	7,875.00	17,735.90	7,950.00	269.89	270.62	-96.02	-933.05	-10,277.78	713.76	176.31	537.45	1.328 Level 3		
17,700.00	7,875.00	17,835.90	7,950.00	272.57	273.30	-96.02	-933.10	-10,377.78	713.76	170.99	542.78	1.315 Level 3		
17,800.00	7,875.00	17,935.90	7,950.00	275.25	275.97	-96.02	-933.15	-10,477.78	713.77	165.66	548.11	1.302 Level 3		
17,900.00	7,875.00	18,035.90	7,950.00	277.94	278.64	-96.02	-933.21	-10,577.78	713.77	160.33	553.44	1.290 Level 3		
18,000.00	7,875.00	18,135.90	7,950.00	280.62	281.32	-96.02	-933.26	-10,677.78	713.77	155.00	558.77	1.277 Level 3		
18,100.00	7,875.00	18,235.90	7,950.00	283.30	283.99	-96.02	-933.31	-10,777.78	713.77	149.67	564.10	1.265 Level 3		
18,200.00	7,875.00	18,335.90	7,950.00	285.98	286.67	-96.02	-933.36	-10,877.78	713.78	144.34	569.44	1.253 Level 3		
18,300.00	7,875.00	18,435.90	7,950.00	288.66	289.34	-96.02	-933.42	-10,977.78	713.78	139.01	574.77	1.242 Level 2		
18,400.00	7,875.00	18,535.90	7,950.00	291.35	292.02	-96.02	-933.47	-11,077.78	713.78	133.68	580.10	1.230 Level 2		
18,500.00	7,875.00	18,635.90	7,950.00	294.03	294.69	-96.02	-933.52	-11,177.78	713.78	128.34	585.44	1.219 Level 2		
18,600.00	7,875.00	18,735.90	7,950.00	296.71	297.37	-96.02	-933.57	-11,277.78	713.78	123.01	590.77	1.208 Level 2		
18,700.00	7,875.00	18,835.90	7,950.00	299.39	300.05	-96.02	-933.62	-11,377.78	713.79	117.68	596.11	1.197 Level 2		
18,800.00	7,875.00	18,935.90	7,950.00	302.08	302.72	-96.02	-933.68	-11,477.78	713.79	112.35	601.44	1.187 Level 2		
18,900.00	7,875.00	19,035.90	7,950.00	304.76	305.40	-96.02	-933.73	-11,577.78	713.79	107.01	606.78	1.176 Level 2		
19,000.00	7,875.00	19,135.90	7,950.00	307.44	308.08	-96.02	-933.78	-11,677.78	713.79	101.68	612.11	1.166 Level 2		
19,100.00	7,875.00	19,235.90	7,950.00	310.13	310.75	-96.02	-933.83	-11,777.78	713.80	96.35	617.45	1.156 Level 2		
19,200.00	7,875.00	19,335.90	7,950.00	312.81	313.43	-96.02	-933.89	-11,877.78	713.80	91.01	622.79	1.146 Level 2		
19,300.00	7,875.00	19,435.90	7,950.00	315.49	316.11	-96.02	-933.94	-11,977.78	713.80	85.68	628.12	1.136 Level 2		
19,400.00	7,875.00	19,535.90	7,950.00	318.18	318.79	-96.02	-933.99	-12,077.78	713.80	80.34	633.46	1.127 Level 2		
19,500.00	7,875.00	19,635.90	7,950.00	320.86	321.46	-96.02	-934.04	-12,177.78	713.81	75.01	638.80	1.117 Level 2		
19,600.00	7,875.00	19,735.90	7,950.00	323.54	324.14	-96.02	-934.10	-12,277.78	713.81	69.67	644.14	1.108 Level 2		
19,700.00	7,875.00	19,835.90	7,950.00	326.23	326.82	-96.02	-934.15	-12,377.78	713.81	64.34	649.48	1.099 Level 2		
19,800.00	7,875.00	19,935.90	7,950.00	328.91	329.50	-96.02	-934.20	-12,477.78	713.81	59.00	654.81	1.090 Level 2		
19,900.00	7,875.00	20,035.90	7,950.00	331.60	332.18	-96.02	-934.25	-12,577.78	713.82	53.66	660.15	1.081 Level 2		
20,000.00	7,875.00	20,135.90	7,950.00	334.28	334.86	-96.02	-934.31	-12,677.78	713.82	48.33	665.49	1.073 Level 2		
20,100.00	7,875.00	20,235.90	7,950.00	336.97	337.54	-96.02	-934.36	-12,777.78	713.82	42.99	670.83	1.064 Level 2		
20,200.00	7,875.00	20,335.90	7,950.00	339.65	340.22	-96.02	-934.41	-12,877.77	713.82	37.65	676.17	1.056 Level 2		
20,300.00	7,875.00	20,435.90	7,950.00	342.34	342.90	-96.02	-934.46	-12,977.77	713.83	32.32	681.51	1.047 Level 2		
20,400.00	7,875.00	20,535.90	7,950.00	345.02	345.58	-96.02	-934.52	-13,077.77	713.83	26.98	686.85	1.039 Level 2		
20,500.00	7,875.00	20,635.90	7,950.00	347.71	348.26	-96.02	-934.57	-13,177.77	713.83	21.64	692.19	1.031 Level 2		
20,600.00	7,875.00	20,735.90	7,950.00	350.39	350.94	-96.02	-934.62	-13,277.77	713.83	16.30	697.53	1.023 Level 2		
20,700.00	7,875.00	20,835.90	7,950.00	353.08	353.62	-96.02	-934.67	-13,377.77	713.84	10.96	702.87	1.016 Level 2		
20,800.00	7,875.00	20,935.90	7,950.00	355.76	356.30	-96.02	-934.73	-13,477.77	713.84	5.63	708.21	1.008 Level 2		
20,900.00	7,875.00	21,035.90	7,950.00	358.45	358.98	-96.02	-934.78	-13,577.77	713.84	0.29	713.55	1.000 Level 2		
21,000.00	7,875.00	21,135.90	7,950.00	361.13	361.66	-96.02	-934.83	-13,677.77	713.84	-5.05	718.90	0.993 Level 1		
21,100.00	7,875.00	21,235.90	7,950.00	363.82	364.34	-96.02	-934.88	-13,777.77	713.85	-10.39	724.24	0.986 Level 1		
21,200.00	7,875.00	21,335.90	7,950.00	366.50	367.02	-96.02	-934.93	-13,877.77	713.85	-15.73	729.58	0.978 Level 1		
21,300.00	7,875.00	21,435.90	7,950.00	369.19	369.70	-96.02	-934.99	-13,977.77	713.85	-21.07	734.92	0.971 Level 1		

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

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

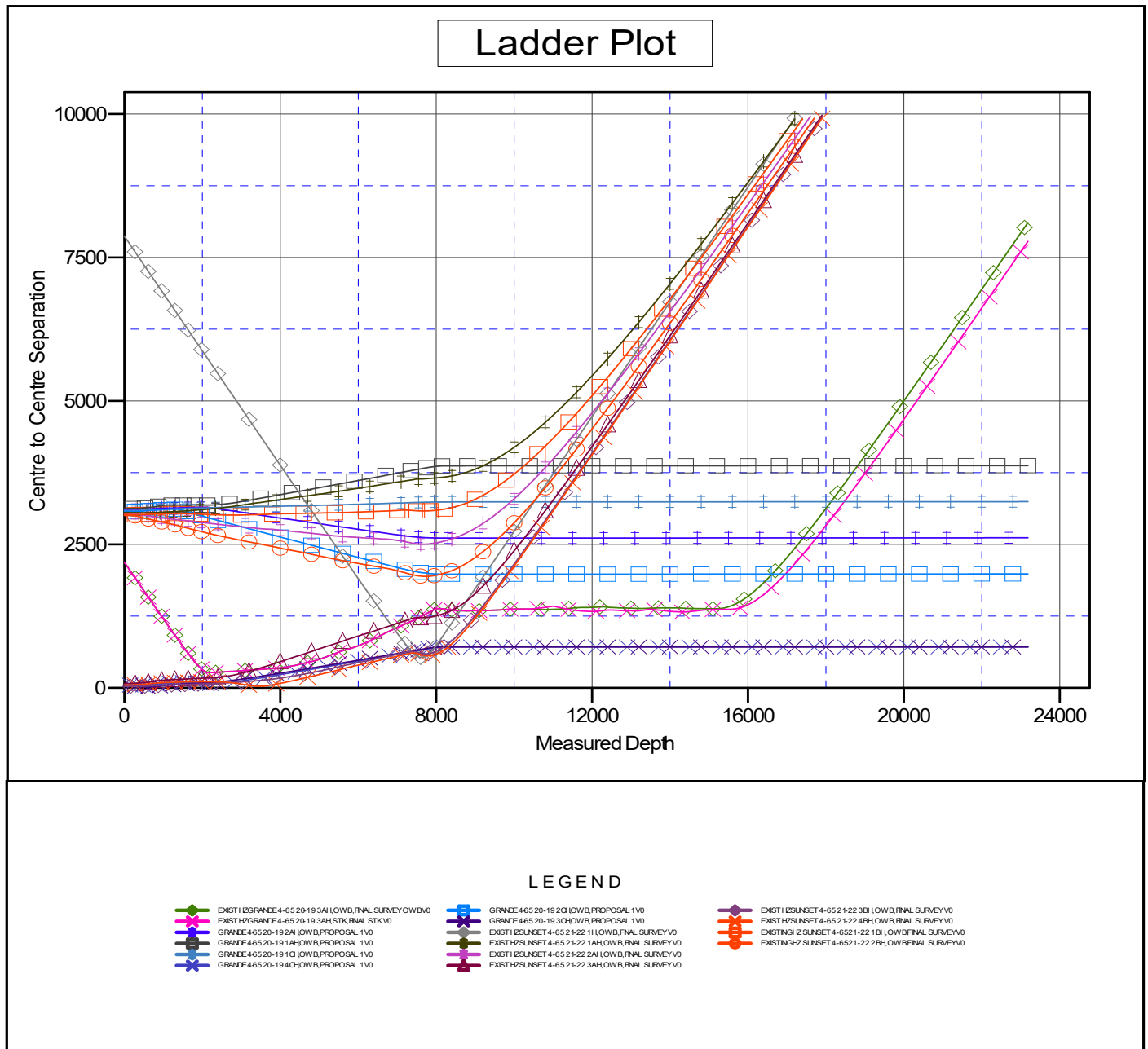
Offset Design SEC 21-T4S-R65W - GRANDE 4-65 20-19 4CH - OWB - PROPOSAL 1												Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG, 2150-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (usft)	Vertical Depth (usft)	Measured 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
21,400.00	7,875.00	21,535.90	7,950.00	371.87	372.38	-96.02	-935.04	-14,077.77	713.85	-26.41	740.26	0.964	Level 1
21,500.00	7,875.00	21,635.90	7,950.00	374.56	375.07	-96.02	-935.09	-14,177.77	713.86	-31.75	745.61	0.957	Level 1
21,600.00	7,875.00	21,735.90	7,950.00	377.25	377.75	-96.02	-935.14	-14,277.77	713.86	-37.09	750.95	0.951	Level 1
21,700.00	7,875.00	21,835.90	7,950.00	379.93	380.43	-96.02	-935.20	-14,377.77	713.86	-42.43	756.29	0.944	Level 1
21,800.00	7,875.00	21,935.90	7,950.00	382.62	383.11	-96.02	-935.25	-14,477.77	713.86	-47.77	761.63	0.937	Level 1
21,900.00	7,875.00	22,035.90	7,950.00	385.30	385.79	-96.02	-935.30	-14,577.77	713.87	-53.11	766.98	0.931	Level 1
22,000.00	7,875.00	22,135.90	7,950.00	387.99	388.48	-96.02	-935.35	-14,677.77	713.87	-58.45	772.32	0.924	Level 1
22,100.00	7,875.00	22,235.90	7,950.00	390.68	391.16	-96.02	-935.41	-14,777.77	713.87	-63.79	777.66	0.918	Level 1
22,200.00	7,875.00	22,335.90	7,950.00	393.36	393.84	-96.02	-935.46	-14,877.77	713.87	-69.13	783.01	0.912	Level 1
22,300.00	7,875.00	22,435.90	7,950.00	396.05	396.52	-96.02	-935.51	-14,977.77	713.88	-74.48	788.35	0.906	Level 1
22,400.00	7,875.00	22,535.90	7,950.00	398.73	399.21	-96.02	-935.56	-15,077.77	713.88	-79.82	793.70	0.899	Level 1
22,500.00	7,875.00	22,635.90	7,950.00	401.42	401.89	-96.02	-935.62	-15,177.77	713.88	-85.16	799.04	0.893	Level 1
22,600.00	7,875.00	22,735.90	7,950.00	404.11	404.57	-96.02	-935.67	-15,277.77	713.88	-90.50	804.38	0.887	Level 1
22,700.00	7,875.00	22,835.90	7,950.00	406.79	407.25	-96.02	-935.72	-15,377.77	713.88	-95.84	809.73	0.882	Level 1
22,800.00	7,875.00	22,935.90	7,950.00	409.48	409.94	-96.02	-935.77	-15,477.77	713.89	-101.19	815.07	0.876	Level 1
22,900.00	7,875.00	23,035.90	7,950.00	412.17	412.62	-96.02	-935.83	-15,577.77	713.89	-106.53	820.42	0.870	Level 1
23,000.00	7,875.00	23,135.90	7,950.00	414.85	415.30	-96.02	-935.88	-15,677.77	713.89	-111.87	825.76	0.865	Level 1
23,100.00	7,875.00	23,235.90	7,950.00	417.54	417.99	-96.02	-935.93	-15,777.77	713.89	-117.21	831.11	0.859	Level 1
23,186.11	7,875.00	23,322.01	7,950.00	419.85	420.30	-96.02	-935.98	-15,863.88	713.90	-121.81	835.71	0.854	Level 1, ES, SF

Anticollision Report

Company:	CIVITAS RESOURCES	Local Co-ordinate Reference:	Well GRANDE 4-65 20-19 4AH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 24' @ 5643.10usft
Reference Site:	SEC 21-T4S-R65W	MD Reference:	KB 24' @ 5643.10usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRANDE 4-65 20-19 4AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB 24' @ 5643.10usft
Offset Depths are relative to Offset Datum
Central Meridian is 105.500000°W

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



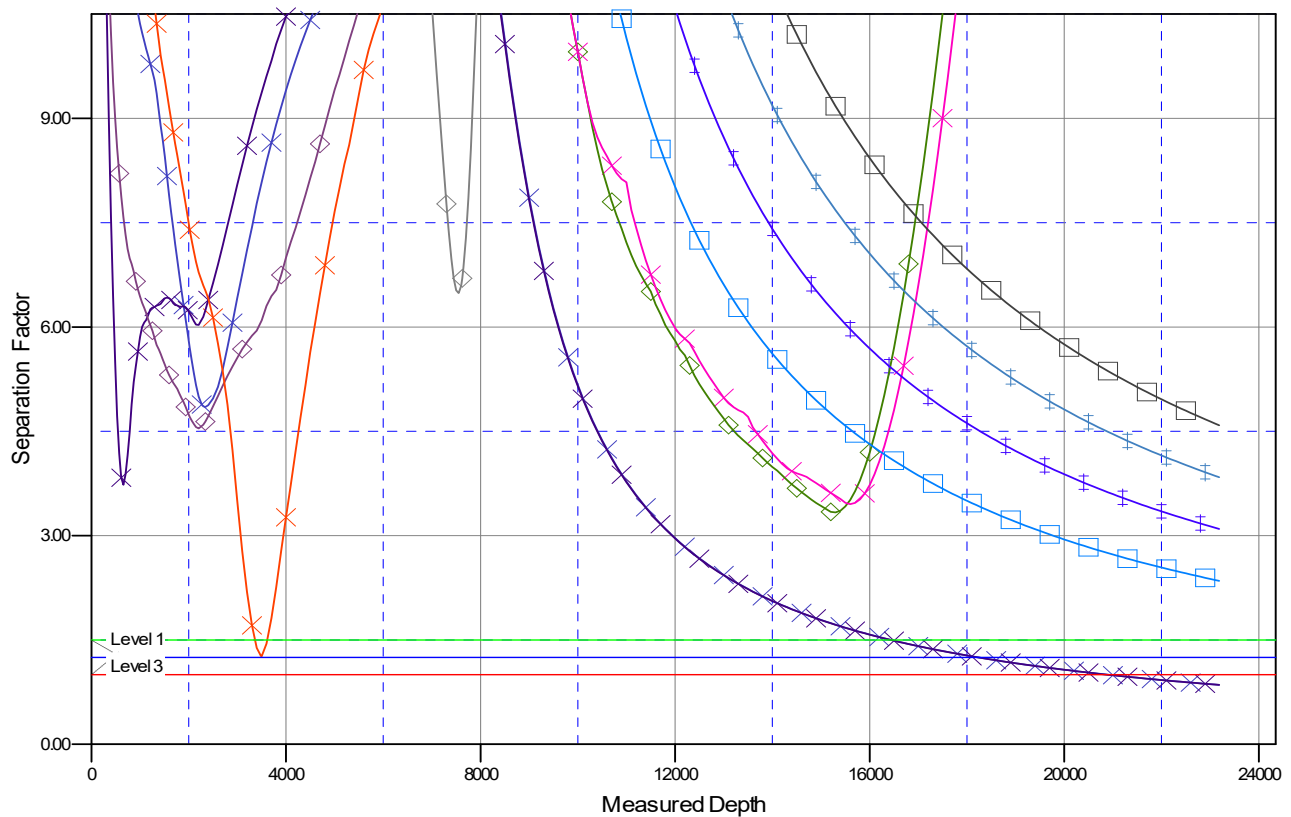
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Separation Factor Plot



LEGEND

EXIST H2GRANDE 4-65 20-19 3AH OWB, FINAL SURVEY V0	GRANDE 4-65 20-19 2CH OWB, PROPOSAL 1 V0	EXIST H2SUNSET 4-65 21-22 3BH OWB, FINAL SURVEY V0
EXIST H2GRANDE 4-65 20-19 3AH STK, FINAL SURVEY V0	GRANDE 4-65 20-19 3CH OWB, PROPOSAL 1 V0	EXIST H2SUNSET 4-65 21-22 4BH OWB, FINAL SURVEY V0
GRANDE 4-65 20-19 2AH OWB, PROPOSAL 1 V0	EXIST H2SUNSET 4-65 21-22 1H OWB, FINAL SURVEY V0	EXIST H2SUNSET 4-65 21-22 1BH OWB, FINAL SURVEY V0
GRANDE 4-65 20-19 1AH OWB, PROPOSAL 1 V0	EXIST H2SUNSET 4-65 21-22 1AH OWB, FINAL SURVEY V0	EXIST H2SUNSET 4-65 21-22 2AH OWB, FINAL SURVEY V0
GRANDE 4-65 20-19 1CH OWB, PROPOSAL 1 V0	EXIST H2SUNSET 4-65 21-22 2AH OWB, FINAL SURVEY V0	EXIST H2SUNSET 4-65 21-22 2BH OWB, FINAL SURVEY V0
GRANDE 4-65 20-19 4CH OWB, PROPOSAL 1 V0	EXIST H2SUNSET 4-65 21-22 3AH OWB, FINAL SURVEY V0	