



NueVida Resources, LLC

La Plata County, CO (NAD83)

33N 08W Sec 18

Ardourel 33081718 #5HL

OH

Plan #1

Anticollision Report

19 November, 2024



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Company:	NueVida Resources, LLC	Local Co-ordinate Reference:	Well Ardourel 33081718 #5HL - Slot 5
Project:	La Plata County, CO (NAD83)	TVD Reference:	GL 6719' & RKB 25' @ 6744.00ft
Reference Site:	33N 08W Sec 18	MD Reference:	GL 6719' & RKB 25' @ 6744.00ft
Site Error:	0.00 ft	North Reference:	Grid
Reference Well:	Ardourel 33081718 #5HL	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	Grand Junction
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Reference	Plan #1		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD Interval 100.00ft	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum ellipse separation of 1,000.00 ft	Error Surface:	Pedal Curve
Warning Levels Evaluated at:	2.00 Sigma	Casing Method:	Not applied

Survey Tool Program	Date	11/19/2024		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.00	17,327.87	Plan #1 (OH)	MWD+HDGM	OWSG MWD + HDGM

Summary						
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
33N 08W Sec 18						
Ardourel 33081718 #2HU - OH - Plan #1	500.00	500.00	60.00	56.60	17.619	CC, ES
Ardourel 33081718 #2HU - OH - Plan #1	700.00	695.69	72.76	67.97	15.186	SF
Ardourel 33081718 #3HL - OH - OH	531.90	532.35	36.70	33.96	13.399	CC, ES
Ardourel 33081718 #3HL - OH - OH	17,327.87	17,187.14	1,654.90	1,051.64	2.743	SF
Ardourel 33081718 #4HU - OH - OH	542.40	542.66	16.34	13.56	5.868	CC, ES
Ardourel 33081718 #4HU - OH - OH	700.00	700.33	19.92	16.05	5.144	SF
Ardourel 33081718 #4HU - ST1 - ST1	542.40	542.66	16.34	13.56	5.868	CC, ES
Ardourel 33081718 #4HU - ST1 - ST1	17,327.87	17,078.31	631.30	56.00	1.097	Collision Avoidance Req., SF
Ardourel 33081718 #6HU - OH - Plan #1	602.45	601.74	20.00	15.86	4.834	CC
Ardourel 33081718 #6HU - OH - Plan #1	1,200.00	1,195.14	20.94	12.55	2.496	ES
Ardourel 33081718 #6HU - OH - Plan #1	17,327.87	17,325.14	685.31	92.57	1.156	Collision Avoidance Req., SF
Ardourel 33081718 #7HL - OH - Plan #1	823.76	819.30	39.94	34.24	7.012	CC
Ardourel 33081718 #7HL - OH - Plan #1	1,200.00	1,190.32	40.69	32.34	4.870	ES
Ardourel 33081718 #7HL - OH - Plan #1	17,327.87	17,725.89	1,300.49	681.41	2.101	SF
Harmon 33-8-17 #3 (PR) - OH - OH						Out of range
Harmon DK-MR-GU 1 (PA) - OH - OH	15,826.93	7,056.53	110.07	-436.53	0.201	No-Go Zone - Stop Drilling, (
IGE 141 (PR) - OH - OH						Out of range
Julian MVRD Unit #1 (PR) - OH - OH	5,900.00	5,630.00	1,775.37	1,522.69	7.026	SF
Julian MVRD Unit #1 (PR) - OH - OH	8,700.00	5,630.00	1,428.91	1,369.90	24.216	CC
Julian MVRD Unit #1 (PR) - OH - OH	8,800.00	5,630.00	1,431.32	1,369.25	23.059	ES
Slugger #11 (PR) - OH - OH						Out of range

Offset Design 33N 08W Sec 18 - Ardourel 33081718 #2HU - OH - Plan #1													Offset Site Error: 0.00 ft	
Survey Program: 0-MWD+HDGM													Offset Well Error: 0.00 ft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
0.00	0.00	0.00	0.00	0.00	0.00	172.81	-59.53	7.51	60.00					
100.00	100.00	100.00	100.00	0.27	0.27	172.81	-59.53	7.51	60.00	59.46	0.54	111.586		
200.00	200.00	200.00	200.00	0.63	0.63	172.81	-59.53	7.51	60.00	58.75	1.25	47.823		
300.00	300.00	300.00	300.00	0.99	0.99	172.81	-59.53	7.51	60.00	58.03	1.97	30.433		
400.00	400.00	400.00	400.00	1.34	1.34	172.81	-59.53	7.51	60.00	57.31	2.69	22.317		
500.00	500.00	500.00	500.00	1.70	1.70	172.81	-59.53	7.51	60.00	56.60	3.41	17.619 CC, ES		
600.00	599.98	598.15	598.14	2.06	2.04	-172.33	-61.05	6.80	63.19	59.08	4.10	15.405		

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

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Site Error:	0.00 ft	North Reference:	Grid
Reference Well:	Ardourel 33081718 #5HL	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	Grand Junction
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design 33N 08W Sec 18 - Ardourel 33081718 #2HU - OH - Plan #1													Offset Site Error: 0.00 ft	
Survey Program: 0-MWD+HDGM													Offset Well Error: 0.00 ft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Minimum Separation	Separation Factor			
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
700.00	699.84	695.69	695.54	2.42	2.37	-170.76	-65.58	4.69	72.76	67.97	4.79	15.186 SF		
800.00	799.45	792.00	791.49	2.79	2.70	-168.90	-73.00	1.23	88.72	83.24	5.48	16.185		
900.00	898.70	886.51	885.34	3.15	3.03	-167.18	-83.12	-3.49	111.01	104.84	6.17	18.001		
1,000.00	997.47	978.71	976.48	3.53	3.38	-165.75	-95.69	-9.35	139.47	132.63	6.84	20.386		
1,100.00	1,095.62	1,068.11	1,064.39	3.92	3.73	-164.59	-110.41	-16.22	173.92	166.42	7.50	23.178		
1,200.00	1,193.06	1,154.31	1,148.64	4.34	4.08	-163.65	-126.96	-23.93	214.12	205.97	8.15	26.266		
1,300.00	1,289.79	1,237.20	1,229.09	4.78	4.44	-163.01	-145.02	-32.36	259.33	250.56	8.78	29.552		
1,400.00	1,386.44	1,317.65	1,306.59	5.23	4.81	-162.47	-164.56	-41.47	307.17	297.79	9.38	32.746		
1,500.00	1,483.08	1,400.00	1,385.27	5.69	5.20	-161.90	-186.61	-51.75	357.29	347.28	10.01	35.685		
1,600.00	1,579.73	1,481.05	1,462.36	6.16	5.61	-161.39	-209.30	-62.33	408.58	397.94	10.64	38.391		
1,700.00	1,676.38	1,566.83	1,543.93	6.63	6.04	-160.98	-233.33	-73.53	459.92	448.59	11.33	40.599		
1,800.00	1,773.03	1,652.60	1,625.50	7.11	6.49	-160.64	-257.35	-84.73	511.27	499.25	12.02	42.532		
1,900.00	1,869.68	1,738.37	1,707.08	7.59	6.95	-160.37	-281.37	-95.94	562.64	549.92	12.72	44.237		
2,000.00	1,966.32	1,824.14	1,788.65	8.07	7.40	-160.14	-305.39	-107.14	614.01	600.59	13.42	45.749		
2,100.00	2,062.97	1,909.92	1,870.23	8.56	7.87	-159.95	-329.41	-118.34	665.39	651.26	14.13	47.097		
2,200.00	2,159.62	1,995.69	1,951.80	9.05	8.33	-159.79	-353.44	-129.54	716.77	701.93	14.84	48.305		
2,300.00	2,256.27	2,081.46	2,033.38	9.54	8.80	-159.64	-377.46	-140.74	768.16	752.60	15.55	49.394		
2,400.00	2,352.92	2,167.23	2,114.95	10.03	9.28	-159.52	-401.48	-151.94	819.55	803.28	16.27	50.379		
2,500.00	2,449.56	2,253.01	2,196.53	10.53	9.75	-159.41	-425.50	-163.15	870.94	853.95	16.99	51.274		
2,600.00	2,546.21	2,338.78	2,278.10	11.02	10.23	-159.31	-449.52	-174.35	922.33	904.63	17.71	52.091		
2,700.00	2,642.86	2,424.55	2,359.67	11.52	10.71	-159.22	-473.54	-185.55	973.73	955.30	18.43	52.839		
2,800.00	2,739.51	2,510.32	2,441.25	12.02	11.18	-159.15	-497.57	-196.75	1,025.13	1,005.97	19.15	53.526		
2,900.00	2,836.16	2,596.10	2,522.82	12.51	11.67	-159.07	-521.59	-207.95	1,076.52	1,056.65	19.88	54.158		
3,000.00	2,932.80	2,681.87	2,604.40	13.01	12.15	-159.01	-545.61	-219.15	1,127.92	1,107.32	20.60	54.743		
3,100.00	3,029.45	2,767.64	2,685.97	13.51	12.63	-158.95	-569.63	-230.36	1,179.33	1,157.99	21.33	55.285		
3,200.00	3,126.10	2,853.41	2,767.55	14.01	13.11	-158.90	-593.65	-241.56	1,230.73	1,208.67	22.06	55.788		
3,300.00	3,222.75	2,939.19	2,849.12	14.51	13.60	-158.85	-617.68	-252.76	1,282.13	1,259.34	22.79	56.256		
3,400.00	3,319.40	3,024.96	2,930.70	15.01	14.08	-158.80	-641.70	-263.96	1,333.53	1,310.01	23.52	56.693		
3,500.00	3,416.05	3,110.73	3,012.27	15.51	14.57	-158.76	-665.72	-275.16	1,384.94	1,360.68	24.25	57.102		
3,600.00	3,512.69	3,196.50	3,093.84	16.01	15.06	-158.72	-689.74	-286.36	1,436.34	1,411.35	24.99	57.485		
3,700.00	3,609.34	3,282.28	3,175.42	16.51	15.54	-158.68	-713.76	-297.56	1,487.75	1,462.03	25.72	57.844		
3,800.00	3,705.99	3,368.05	3,256.99	17.02	16.03	-158.65	-737.78	-308.77	1,539.15	1,512.70	26.45	58.182		
3,900.00	3,802.64	3,453.82	3,338.57	17.52	16.52	-158.62	-761.81	-319.97	1,590.56	1,563.37	27.19	58.500		
4,000.00	3,899.29	3,539.59	3,420.14	18.02	17.01	-158.59	-785.83	-331.17	1,641.96	1,614.04	27.92	58.800		
4,100.00	3,995.93	3,625.37	3,501.72	18.52	17.50	-158.56	-809.85	-342.37	1,693.37	1,664.71	28.66	59.083		
4,200.00	4,092.58	3,711.14	3,583.29	19.03	17.99	-158.53	-833.87	-353.57	1,744.77	1,715.38	29.40	59.351		
4,300.00	4,189.23	3,796.91	3,664.87	19.53	18.48	-158.51	-857.89	-364.77	1,796.18	1,766.05	30.13	59.605		
4,400.00	4,285.88	3,882.68	3,746.44	20.03	18.96	-158.48	-881.92	-375.98	1,847.59	1,816.72	30.87	59.845		
4,500.00	4,382.53	3,968.45	3,828.01	20.54	19.45	-158.46	-905.94	-387.18	1,899.00	1,867.38	31.61	60.074		
4,600.00	4,479.17	4,054.23	3,909.59	21.04	19.94	-158.44	-929.96	-398.38	1,950.40	1,918.05	32.35	60.291		
4,700.00	4,575.82	4,140.00	3,991.16	21.54	20.43	-158.42	-953.98	-409.58	2,001.81	1,968.72	33.09	60.497		
4,800.00	4,672.47	4,225.77	4,072.74	22.05	20.93	-158.40	-978.00	-420.78	2,053.22	2,019.39	33.83	60.693		
4,900.00	4,769.12	4,311.54	4,154.31	22.55	21.42	-158.38	-1,002.02	-431.98	2,104.63	2,070.06	34.57	60.881		
5,000.00	4,865.77	4,489.26	4,324.19	23.06	22.40	-158.38	-1,049.27	-454.01	2,155.24	2,119.18	36.06	59.775		
5,100.00	4,962.41	4,809.70	4,637.21	23.56	23.91	-158.61	-1,110.66	-482.64	2,198.29	2,159.93	38.36	57.312		
5,200.00	5,059.06	5,159.46	4,985.15	24.06	25.14	-159.20	-1,141.07	-496.82	2,231.13	2,190.86	40.27	55.402		
5,300.00	5,155.71	5,330.05	5,155.71	24.57	25.58	-159.59	-1,142.67	-497.57	2,255.72	2,214.52	41.20	54.757		

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Site Error:	0.00 ft	North Reference:	Grid
Reference Well:	Ardourel 33081718 #5HL	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	Grand Junction
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design 33N 08W Sec 18 - Ardourel 33081718 #3HL - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 621-MWD+HDGM, 6312-MWD+HDGM, 7631-MWD+HDGM													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	172.84	-39.57	4.97	39.88					
100.00	100.00	100.11	100.11	0.27	0.17	173.13	-39.46	4.75	39.75	39.30	0.44	89.864		
200.00	200.00	200.21	200.21	0.63	0.35	174.04	-39.14	4.09	39.35	38.37	0.97	40.394		
300.00	300.00	300.30	300.29	0.99	0.52	175.58	-38.59	2.98	38.71	37.20	1.51	25.705		
400.00	400.00	400.38	400.35	1.34	0.69	177.83	-37.84	1.43	37.86	35.83	2.04	18.582		
500.00	500.00	500.44	500.39	1.70	0.87	-179.13	-36.86	-0.56	36.87	34.30	2.57	14.349		
531.90	531.90	532.35	532.29	1.82	0.92	-163.83	-36.50	-1.29	36.70	33.96	2.74	13.399 CC, ES		
600.00	599.98	600.48	600.40	2.06	1.04	-161.84	-35.67	-2.99	37.45	34.35	3.10	12.077		
700.00	699.84	699.53	699.40	2.42	1.36	-159.99	-35.16	-5.91	42.13	38.35	3.78	11.143		
800.00	799.45	798.19	797.99	2.79	1.71	-159.87	-36.81	-9.08	52.30	47.80	4.50	11.631		
900.00	898.70	897.29	897.03	3.15	2.06	-161.59	-39.53	-11.45	66.74	61.53	5.21	12.814		
1,000.00	997.47	996.04	995.74	3.53	2.40	-164.56	-41.68	-12.06	83.89	77.97	5.92	14.179		
1,100.00	1,095.62	1,093.41	1,093.09	3.92	2.73	-167.63	-43.78	-11.41	104.57	97.95	6.62	15.805		
1,200.00	1,193.06	1,189.07	1,188.69	4.34	3.06	-170.76	-46.36	-8.89	129.48	122.17	7.31	17.720		
1,300.00	1,289.79	1,288.47	1,288.00	4.78	3.39	-173.42	-48.26	-5.64	156.81	148.79	8.02	19.561		
1,400.00	1,386.44	1,387.09	1,386.59	5.23	3.73	-175.26	-48.20	-2.85	182.73	174.01	8.72	20.958		
1,500.00	1,483.08	1,485.36	1,484.84	5.69	4.07	-176.27	-47.55	-1.46	207.94	198.52	9.43	22.061		
1,600.00	1,579.73	1,584.94	1,584.41	6.16	4.41	-176.94	-46.00	-0.77	232.23	222.08	10.15	22.890		
1,700.00	1,676.38	1,682.44	1,681.88	6.63	4.75	-177.49	-43.55	-0.20	255.60	244.74	10.86	23.537		
1,800.00	1,773.03	1,775.62	1,775.04	7.11	5.07	-177.83	-41.99	0.09	279.73	268.18	11.56	24.208		
1,900.00	1,869.68	1,868.42	1,867.84	7.59	5.40	-177.93	-42.15	-0.31	305.46	293.21	12.25	24.937		
2,000.00	1,966.32	1,965.73	1,965.14	8.07	5.74	-177.82	-43.15	-1.61	331.82	318.85	12.97	25.580		
2,100.00	2,062.97	2,066.27	2,065.64	8.56	6.09	-177.56	-43.49	-4.18	357.28	343.56	13.72	26.047		
2,200.00	2,159.62	2,164.92	2,164.23	9.05	6.44	-177.21	-43.12	-7.64	381.88	367.43	14.45	26.422		
2,300.00	2,256.27	2,262.53	2,261.76	9.54	6.79	-176.87	-42.60	-11.40	406.28	391.10	15.19	26.755		
2,400.00	2,352.92	2,360.47	2,359.62	10.03	7.14	-176.52	-41.96	-15.53	430.52	414.59	15.92	27.040		
2,500.00	2,449.56	2,459.86	2,458.81	10.53	7.49	-175.96	-41.31	-21.58	454.43	437.76	16.67	27.260		
2,600.00	2,546.21	2,557.42	2,555.99	11.02	7.85	-175.14	-40.76	-30.25	478.00	460.59	17.41	27.451		
2,700.00	2,642.86	2,653.62	2,651.68	11.52	8.20	-174.26	-40.47	-40.01	501.72	483.57	18.15	27.639		
2,800.00	2,739.51	2,748.35	2,745.90	12.02	8.54	-173.43	-40.47	-49.89	525.80	506.91	18.89	27.840		
2,900.00	2,836.16	2,841.86	2,838.91	12.51	8.89	-172.69	-40.93	-59.54	550.46	530.85	19.61	28.064		
3,000.00	2,932.80	2,936.19	2,932.74	13.01	9.23	-172.02	-41.86	-69.13	575.70	555.35	20.35	28.290		
3,100.00	3,029.45	3,030.27	3,026.25	13.51	9.59	-171.32	-43.23	-79.45	601.38	580.29	21.09	28.519		
3,200.00	3,126.10	3,123.41	3,118.69	14.01	9.94	-170.59	-45.10	-90.64	627.57	605.75	21.82	28.759		
3,300.00	3,222.75	3,222.17	3,216.66	14.51	10.31	-169.83	-47.23	-102.98	653.98	631.38	22.60	28.936		
3,400.00	3,319.40	3,322.05	3,315.82	15.01	10.69	-169.18	-48.81	-114.82	679.96	656.57	23.39	29.071		
3,500.00	3,416.05	3,427.20	3,420.36	15.51	11.08	-168.66	-49.45	-126.06	705.15	680.93	24.21	29.122		
3,600.00	3,512.69	3,528.97	3,521.72	16.01	11.46	-168.34	-48.99	-135.21	729.43	704.42	25.01	29.169		
3,700.00	3,609.34	3,629.34	3,621.78	16.51	11.84	-168.14	-47.94	-143.04	753.20	727.41	25.79	29.210		
3,800.00	3,705.99	3,729.12	3,721.27	17.02	12.21	-167.98	-46.42	-150.47	776.54	749.98	26.56	29.237		
3,900.00	3,802.64	3,825.91	3,817.78	17.52	12.56	-167.84	-44.87	-157.61	799.81	772.50	27.32	29.280		
4,000.00	3,899.29	3,923.48	3,915.07	18.02	12.92	-167.71	-43.33	-164.85	823.11	795.04	28.08	29.317		
4,100.00	3,995.93	4,022.39	4,013.65	18.52	13.29	-167.54	-41.66	-172.72	846.28	817.43	28.85	29.335		
4,200.00	4,092.58	4,122.32	4,113.26	19.03	13.66	-167.39	-39.73	-180.51	869.24	839.61	29.63	29.339		
4,300.00	4,189.23	4,222.21	4,212.84	19.53	14.03	-167.27	-37.43	-188.03	891.83	861.43	30.40	29.332		
4,400.00	4,285.88	4,316.55	4,306.86	20.03	14.38	-167.13	-35.24	-195.59	914.41	883.26	31.15	29.356		
4,500.00	4,382.53	4,409.55	4,399.45	20.54	14.73	-166.94	-33.66	-204.05	937.55	905.66	31.89	29.400		
4,600.00	4,479.17	4,502.04	4,491.51	21.04	15.08	-166.73	-32.36	-212.82	961.00	928.37	32.63	29.454		
4,700.00	4,575.82	4,590.61	4,579.70	21.54	15.42	-166.55	-31.81	-221.09	985.21	951.88	33.34	29.552		
4,800.00	4,672.47	4,679.22	4,667.87	22.05	15.75	-166.34	-32.01	-229.88	1,010.25	976.20	34.05	29.671		
4,900.00	4,769.12	4,770.48	4,758.66	22.55	16.10	-166.13	-32.93	-239.02	1,036.04	1,001.26	34.78	29.790		
5,000.00	4,865.77	4,870.05	4,857.69	23.06	16.48	-165.90	-33.97	-249.34	1,061.89	1,026.32	35.57	29.850		

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

Company:	NueVida Resources, LLC	Local Co-ordinate Reference:	Well Ardourel 33081718 #5HL - Slot 5
Project:	La Plata County, CO (NAD83)	TVD Reference:	GL 6719' & RKB 25' @ 6744.00ft
Reference Site:	33N 08W Sec 18	MD Reference:	GL 6719' & RKB 25' @ 6744.00ft
Site Error:	0.00 ft	North Reference:	Grid
Reference Well:	Ardourel 33081718 #5HL	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	Grand Junction
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design 33N 08W Sec 18 - Ardourel 33081718 #3HL - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 621-MWD+HDGM, 6312-MWD+HDGM, 7631-MWD+HDGM													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,962.41	4,968.02	4,954.96	23.56	16.86	-165.59	-34.66	-261.04	1,087.42	1,051.06	36.37	29.903		
5,200.00	5,059.06	5,059.56	5,045.70	24.06	17.22	-165.26	-35.53	-273.12	1,113.22	1,076.11	37.11	29.995		
5,300.00	5,155.71	5,152.07	5,137.30	24.57	17.58	-164.90	-36.85	-285.98	1,139.51	1,101.64	37.87	30.087		
5,400.00	5,252.36	5,248.22	5,232.43	25.07	17.97	-164.52	-38.30	-299.81	1,165.93	1,127.27	38.67	30.154		
5,500.00	5,349.01	5,342.15	5,325.32	25.58	18.34	-164.15	-39.78	-313.70	1,192.47	1,153.03	39.44	30.233		
5,600.00	5,445.65	5,438.36	5,420.56	26.08	18.72	-163.82	-41.53	-327.21	1,219.28	1,179.04	40.23	30.304		
5,700.00	5,542.30	5,540.90	5,522.32	26.59	19.13	-163.58	-43.04	-339.71	1,245.73	1,204.66	41.07	30.333		
5,800.00	5,638.95	5,638.31	5,619.18	27.09	19.50	-163.43	-44.21	-350.00	1,271.88	1,230.02	41.85	30.389		
5,900.00	5,735.60	5,733.21	5,713.59	27.60	19.87	-163.31	-45.46	-359.51	1,298.13	1,255.52	42.62	30.461		
6,000.00	5,832.25	5,828.35	5,808.24	28.10	20.23	-163.20	-46.80	-369.05	1,324.48	1,281.10	43.38	30.531		
6,100.00	5,928.89	5,926.55	5,905.95	28.61	20.61	-163.10	-48.23	-378.78	1,350.88	1,306.71	44.17	30.585		
6,200.00	6,025.54	6,030.42	6,009.38	29.11	21.00	-163.02	-49.40	-388.26	1,376.94	1,331.94	44.99	30.602		
6,300.00	6,122.19	6,134.56	6,113.14	29.62	21.40	-162.98	-49.99	-397.10	1,402.42	1,356.61	45.82	30.609		
6,400.00	6,218.84	6,239.16	6,217.36	30.12	21.77	-162.94	-50.06	-406.00	1,427.43	1,380.81	46.62	30.620		
6,500.00	6,315.49	6,340.96	6,318.84	30.63	21.92	-162.92	-49.45	-414.13	1,451.77	1,404.58	47.19	30.764		
6,600.00	6,412.23	6,406.00	6,383.79	31.12	21.93	177.27	-49.41	-417.35	1,476.84	1,429.35	47.49	31.098		
6,700.00	6,508.63	6,481.96	6,459.59	31.57	21.93	147.72	-50.97	-414.12	1,503.81	1,456.03	47.77	31.479		
6,800.00	6,602.90	6,667.31	6,640.46	31.95	21.86	128.47	-55.10	-374.98	1,530.95	1,482.69	48.25	31.727		
6,900.00	6,693.21	6,783.04	6,747.06	32.27	21.80	116.67	-52.67	-330.42	1,551.56	1,503.05	48.51	31.986		
7,000.00	6,777.80	6,853.85	6,807.97	32.53	21.78	108.95	-52.08	-294.37	1,571.88	1,523.15	48.74	32.251		
7,100.00	6,855.02	6,973.96	6,902.98	32.75	21.81	103.56	-52.40	-221.12	1,591.46	1,542.34	49.12	32.400		
7,200.00	6,923.38	7,095.91	6,982.16	32.92	22.11	99.44	-51.03	-128.75	1,606.86	1,557.03	49.83	32.247		
7,300.00	6,981.53	7,187.46	7,027.14	33.04	22.58	96.25	-50.55	-49.12	1,620.04	1,569.22	50.82	31.879		
7,400.00	7,028.35	7,317.68	7,073.62	33.13	23.75	93.68	-49.82	72.36	1,630.36	1,577.66	52.71	30.932		
7,500.00	7,062.93	7,461.05	7,101.63	33.19	25.67	91.73	-45.44	212.76	1,634.84	1,579.25	55.58	29.412		
7,600.00	7,084.59	7,559.55	7,111.58	33.27	27.13	90.85	-41.10	310.63	1,634.81	1,576.56	58.25	28.064		
7,700.00	7,092.91	7,631.00	7,112.09	33.56	27.87	90.65	-39.18	382.02	1,633.03	1,572.63	60.40	27.039		
7,800.00	7,093.16	7,724.71	7,110.30	34.62	28.32	90.60	-37.69	475.70	1,630.40	1,567.93	62.47	26.098		
7,900.00	7,093.34	7,822.43	7,111.05	36.29	29.08	90.62	-36.05	573.40	1,627.72	1,562.67	65.05	25.022		
8,000.00	7,093.52	7,936.52	7,111.69	38.21	30.33	90.64	-33.59	687.46	1,624.55	1,556.26	68.29	23.789		
8,100.00	7,093.70	8,040.77	7,111.47	40.28	31.74	90.62	-31.00	791.67	1,621.05	1,549.24	71.82	22.572		
8,200.00	7,093.88	8,129.92	7,110.80	42.48	33.13	90.60	-28.34	880.79	1,617.11	1,541.70	75.41	21.445		
8,300.00	7,094.06	8,198.00	7,111.11	44.78	34.29	90.60	-28.11	948.86	1,615.53	1,536.72	78.81	20.499		
8,318.10	7,094.09	8,198.00	7,111.11	45.21	34.29	90.60	-28.11	948.86	1,615.43	1,536.23	79.20	20.398		
8,400.00	7,094.23	8,269.91	7,111.85	47.16	35.63	90.63	-29.21	1,020.76	1,615.84	1,533.37	82.47	19.593		
8,404.45	7,094.24	8,274.19	7,111.88	47.27	35.71	90.63	-29.28	1,025.03	1,615.87	1,533.21	82.66	19.548		
8,500.00	7,094.41	8,359.31	7,112.22	49.61	37.40	90.63	-30.91	1,110.14	1,616.73	1,530.07	86.66	18.655		
8,600.00	7,094.59	8,459.36	7,112.23	52.13	39.50	90.63	-33.31	1,210.16	1,618.13	1,526.84	91.29	17.726		
8,700.00	7,094.77	8,593.43	7,111.91	54.69	42.49	90.61	-34.72	1,344.21	1,618.10	1,521.14	96.96	16.688		
8,747.61	7,094.86	8,627.49	7,112.07	55.94	43.28	90.61	-34.92	1,378.28	1,617.90	1,518.94	98.96	16.349		
8,800.00	7,094.95	8,670.00	7,112.93	57.31	44.27	90.64	-35.56	1,420.77	1,618.15	1,516.87	101.29	15.976		
8,804.45	7,094.96	8,670.00	7,112.93	57.42	44.27	90.64	-35.56	1,420.77	1,618.19	1,516.80	101.39	15.960		
8,900.00	7,095.13	8,747.39	7,115.41	59.96	46.13	90.72	-37.49	1,498.10	1,619.63	1,513.91	105.73	15.319		
9,000.00	7,095.31	8,822.69	7,117.28	62.64	47.99	90.78	-40.27	1,573.32	1,622.35	1,512.20	110.16	14.728		
9,100.00	7,095.49	8,927.39	7,116.40	65.36	50.62	90.74	-45.36	1,677.89	1,626.22	1,510.69	115.53	14.077		
9,200.00	7,095.67	9,064.27	7,113.77	68.10	54.15	90.64	-49.54	1,814.68	1,628.21	1,506.24	121.97	13.350		
9,204.45	7,095.67	9,068.95	7,113.65	68.22	54.27	90.63	-49.64	1,819.35	1,628.25	1,506.04	122.21	13.323		
9,300.00	7,095.85	9,165.67	7,111.23	70.87	56.81	90.54	-51.45	1,916.03	1,629.06	1,501.65	127.40	12.786		
9,304.45	7,095.85	9,169.72	7,111.15	70.99	56.92	90.54	-51.53	1,920.07	1,629.10	1,501.46	127.63	12.764		
9,400.00	7,096.02	9,257.98	7,110.16	73.65	59.28	90.50	-53.47	2,008.30	1,630.22	1,497.59	132.63	12.292		
9,500.00	7,096.20	9,355.62	7,109.01	76.46	61.92	90.45	-55.88	2,105.91	1,631.66	1,493.60	138.06	11.818		
9,600.00	7,096.38	9,459.83	7,108.15	79.28	64.77	90.41	-58.48	2,210.09	1,633.15	1,489.40	143.76	11.361		

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

Company:	NueVida Resources, LLC	Local Co-ordinate Reference:	Well Ardourel 33081718 #5HL - Slot 5
Project:	La Plata County, CO (NAD83)	TVD Reference:	GL 6719' & RKB 25' @ 6744.00ft
Reference Site:	33N 08W Sec 18	MD Reference:	GL 6719' & RKB 25' @ 6744.00ft
Site Error:	0.00 ft	North Reference:	Grid
Reference Well:	Ardourel 33081718 #5HL	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	Grand Junction
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design 33N 08W Sec 18 - Ardourel 33081718 #3HL - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 621-MWD+HDGM, 6312-MWD+HDGM, 7631-MWD+HDGM													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,700.00	7,096.56	9,583.30	7,109.02	82.12	68.18	90.44	-60.49	2,333.53	1,633.80	1,483.70	150.10	10.885		
9,800.00	7,096.74	9,723.87	7,109.84	84.97	72.09	90.46	-59.90	2,474.09	1,632.37	1,475.40	156.97	10.399		
9,900.00	7,096.92	9,845.86	7,111.57	87.83	75.50	90.51	-56.99	2,596.03	1,628.98	1,465.70	163.28	9.977		
10,000.00	7,097.10	9,991.86	7,115.86	90.71	79.60	90.66	-50.84	2,741.83	1,623.90	1,453.69	170.22	9.540		
10,100.00	7,097.28	10,164.83	7,121.87	93.59	84.45	90.87	-36.60	2,914.09	1,614.63	1,437.01	177.63	9.090		
10,200.00	7,097.46	10,247.42	7,123.29	96.49	86.77	90.92	-28.28	2,996.25	1,603.61	1,420.66	182.95	8.765		
10,300.00	7,097.64	10,341.60	7,123.15	99.39	89.43	90.91	-19.83	3,090.05	1,593.63	1,405.09	188.55	8.452		
10,400.00	7,097.81	10,436.00	7,121.31	102.30	92.10	90.84	-11.08	3,184.03	1,583.35	1,389.19	194.16	8.155		
10,500.00	7,097.99	10,512.54	7,119.64	105.21	94.28	90.78	-4.61	3,260.27	1,573.98	1,374.61	199.37	7.895		
10,600.00	7,098.17	10,576.60	7,118.41	108.14	96.12	90.74	-0.73	3,324.20	1,566.89	1,362.66	204.24	7.672		
10,700.00	7,098.35	10,642.09	7,116.34	111.07	98.01	90.66	1.71	3,389.61	1,562.09	1,353.02	209.08	7.471		
10,800.00	7,098.53	10,718.00	7,114.40	114.00	100.21	90.58	2.99	3,465.48	1,559.31	1,345.14	214.17	7.281		
10,900.00	7,098.71	10,777.21	7,113.71	116.94	101.94	90.55	2.77	3,524.69	1,558.56	1,339.89	218.67	7.128		
10,904.45	7,098.72	10,780.06	7,113.70	117.07	102.02	90.55	2.73	3,527.54	1,558.58	1,339.71	218.87	7.121		
11,000.00	7,098.89	10,844.00	7,113.90	119.88	103.89	90.55	1.05	3,591.45	1,560.10	1,336.78	223.32	6.986		
11,100.00	7,099.07	10,919.80	7,114.55	122.83	106.11	90.57	-2.25	3,667.18	1,563.45	1,335.19	228.26	6.849		
11,200.00	7,099.25	11,001.00	7,115.41	125.78	108.50	90.60	-6.68	3,748.25	1,567.94	1,334.56	233.38	6.718		
11,300.00	7,099.43	11,071.32	7,117.91	128.74	110.57	90.68	-11.48	3,818.35	1,573.91	1,335.92	238.00	6.613		
11,400.00	7,099.61	11,195.41	7,123.67	131.70	114.22	90.88	-21.31	3,941.90	1,581.04	1,336.07	244.97	6.454		
11,500.00	7,099.78	11,312.05	7,124.59	134.66	117.67	90.90	-27.99	4,058.35	1,585.70	1,334.11	251.59	6.303		
11,600.00	7,099.96	11,390.26	7,124.51	137.63	119.98	90.89	-32.87	4,136.41	1,590.94	1,334.34	256.60	6.200		
11,700.00	7,100.14	11,471.00	7,124.07	140.60	122.38	90.87	-39.14	4,216.90	1,597.64	1,335.97	261.68	6.105		
11,800.00	7,100.32	11,541.19	7,123.54	143.57	124.46	90.84	-45.65	4,286.79	1,605.84	1,339.63	266.21	6.032		
11,900.00	7,100.50	11,611.49	7,123.70	146.55	126.54	90.84	-53.24	4,356.66	1,615.66	1,344.98	270.68	5.969		
12,000.00	7,100.68	11,700.79	7,126.86	149.52	129.19	90.94	-64.44	4,445.20	1,627.20	1,351.12	276.08	5.894		
12,100.00	7,100.86	11,817.40	7,131.97	152.50	132.65	91.11	-77.92	4,560.92	1,637.80	1,354.90	282.90	5.789		
12,200.00	7,101.04	11,925.69	7,135.13	155.48	135.88	91.20	-89.91	4,668.50	1,647.93	1,358.64	289.28	5.697		
12,300.00	7,101.22	12,032.77	7,136.53	158.47	139.07	91.24	-101.21	4,774.96	1,657.50	1,361.89	295.61	5.607		
12,400.00	7,101.40	12,227.08	7,137.29	161.45	144.88	91.24	-113.98	4,968.82	1,662.16	1,356.36	305.81	5.435		
12,500.00	7,101.57	12,334.12	7,135.62	164.44	148.08	91.18	-118.85	5,075.74	1,665.68	1,353.61	312.06	5.338		
12,600.00	7,101.75	12,470.80	7,131.14	167.43	152.16	91.01	-123.61	5,212.26	1,668.18	1,348.77	319.41	5.223		
12,700.00	7,101.93	12,621.49	7,126.25	170.42	156.66	90.83	-124.38	5,362.85	1,667.58	1,340.56	327.02	5.099		
12,800.00	7,102.11	12,718.87	7,125.07	173.41	159.56	90.79	-123.81	5,460.22	1,665.96	1,333.05	332.91	5.004		
12,900.00	7,102.29	12,874.52	7,122.85	176.40	164.19	90.70	-120.63	5,615.81	1,663.11	1,322.77	340.35	4.887		
13,000.00	7,102.47	12,981.00	7,126.04	179.40	167.34	90.81	-115.38	5,722.10	1,657.17	1,310.73	346.45	4.783		
13,100.00	7,102.65	13,054.03	7,130.43	182.39	169.50	90.96	-112.27	5,794.92	1,652.12	1,300.35	351.77	4.697		
13,200.00	7,102.83	13,118.82	7,134.02	185.39	171.42	91.08	-111.02	5,859.60	1,649.27	1,292.50	356.77	4.623		
13,300.00	7,103.01	13,200.82	7,136.61	188.39	173.87	91.17	-111.17	5,941.56	1,648.42	1,286.22	362.19	4.551		
13,400.00	7,103.19	13,335.29	7,137.86	191.39	177.89	91.20	-110.13	6,076.01	1,646.64	1,277.43	369.21	4.460		
13,500.00	7,103.36	13,419.65	7,136.38	194.39	180.41	91.15	-108.81	6,160.35	1,644.07	1,269.32	374.76	4.387		
13,600.00	7,103.54	13,491.29	7,134.85	197.39	182.56	91.09	-108.83	6,231.97	1,643.06	1,263.21	379.86	4.325		
13,605.99	7,103.55	13,495.45	7,134.78	197.57	182.68	91.09	-108.87	6,236.13	1,643.06	1,262.90	380.16	4.322		
13,700.00	7,103.72	13,568.18	7,133.88	200.39	184.87	91.05	-110.26	6,308.83	1,643.84	1,258.79	385.05	4.269		
13,704.45	7,103.73	13,572.93	7,133.85	200.52	185.01	91.05	-110.37	6,313.59	1,643.89	1,258.56	385.33	4.266		
13,800.00	7,103.90	13,679.09	7,133.31	203.39	188.20	91.03	-112.55	6,419.73	1,644.88	1,253.43	391.45	4.202		
13,814.82	7,103.93	13,696.87	7,133.21	203.84	188.73	91.02	-112.83	6,437.51	1,644.96	1,252.52	392.45	4.192		
13,900.00	7,104.08	13,801.97	7,131.82	206.40	191.89	90.97	-113.78	6,542.59	1,644.86	1,246.63	398.23	4.130		
14,000.00	7,104.26	13,925.95	7,130.36	209.40	195.60	90.91	-113.21	6,666.54	1,643.37	1,238.40	404.96	4.058		
14,100.00	7,104.44	14,009.46	7,131.12	212.41	198.11	90.93	-112.62	6,750.04	1,641.66	1,231.18	410.48	3.999		
14,200.00	7,104.62	14,113.82	7,131.76	215.42	201.24	90.95	-112.33	6,854.40	1,640.39	1,223.76	416.62	3.937		
14,300.00	7,104.80	14,195.85	7,131.42	218.42	203.70	90.93	-112.41	6,936.43	1,639.46	1,217.40	422.06	3.884		
14,333.51	7,104.86	14,223.09	7,130.76	219.43	204.52	90.91	-112.64	6,963.65	1,639.39	1,215.53	423.87	3.868		

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

Company:	NueVida Resources, LLC	Local Co-ordinate Reference:	Well Ardourel 33081718 #5HL - Slot 5
Project:	La Plata County, CO (NAD83)	TVD Reference:	GL 6719' & RKB 25' @ 6744.00ft
Reference Site:	33N 08W Sec 18	MD Reference:	GL 6719' & RKB 25' @ 6744.00ft
Site Error:	0.00 ft	North Reference:	Grid
Reference Well:	Ardourel 33081718 #5HL	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	Grand Junction
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design 33N 08W Sec 18 - Ardourel 33081718 #3HL - OH - OH											Offset Site Error: 0.00 ft		
Survey Program: 621-MWD+HDGM, 6312-MWD+HDGM, 7631-MWD+HDGM											Offset Well Error: 0.00 ft		
Reference		Offset		Semi Major Axis			Distance					Warning	
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre +N-S	Centre +E/-W	Between Centres	Between Ellipses	Minimum Separation		Separation Factor
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
14,400.00	7,104.98	14,276.75	7,130.46	221.43	206.14	90.89	-113.40	7,017.31	1,639.65	1,212.23	427.42	3.836	
14,404.45	7,104.98	14,280.34	7,130.50	221.57	206.24	90.89	-113.46	7,020.90	1,639.69	1,212.03	427.66	3.834	
14,500.00	7,105.15	14,359.53	7,131.43	224.44	208.63	90.92	-115.32	7,100.05	1,640.98	1,208.19	432.80	3.792	
14,600.00	7,105.33	14,435.25	7,130.73	227.45	210.91	90.89	-117.94	7,175.73	1,643.45	1,205.61	437.83	3.754	
14,700.00	7,105.51	14,508.90	7,130.55	230.46	213.14	90.88	-121.81	7,249.27	1,647.65	1,204.97	442.68	3.722	
14,800.00	7,105.69	14,602.69	7,131.13	233.47	215.97	90.89	-127.64	7,342.88	1,652.86	1,204.44	448.42	3.686	
14,900.00	7,105.87	14,714.05	7,130.93	236.49	219.34	90.87	-134.10	7,454.05	1,657.63	1,202.64	455.00	3.643	
15,000.00	7,106.05	14,828.11	7,133.31	239.50	222.78	90.94	-140.25	7,567.92	1,662.09	1,200.43	461.66	3.600	
15,100.00	7,106.23	14,944.87	7,135.40	242.51	226.31	91.01	-144.96	7,684.56	1,665.11	1,196.71	468.40	3.555	
15,200.00	7,106.41	15,043.39	7,139.41	245.52	229.28	91.14	-148.57	7,782.93	1,667.84	1,193.47	474.36	3.516	
15,300.00	7,106.59	15,147.86	7,141.75	248.54	232.44	91.21	-152.40	7,887.30	1,670.55	1,189.97	480.58	3.476	
15,400.00	7,106.77	15,363.61	7,142.51	251.55	238.93	91.22	-153.04	8,102.99	1,670.08	1,179.92	490.16	3.407	
15,500.00	7,106.94	15,491.93	7,141.62	254.57	242.77	91.19	-147.72	8,231.20	1,664.93	1,168.25	496.68	3.352	
15,600.00	7,107.12	15,637.53	7,140.57	257.58	247.09	91.15	-138.20	8,376.47	1,657.32	1,154.14	503.18	3.294	
15,700.00	7,107.30	15,717.00	7,140.03	260.60	249.45	91.13	-132.28	8,455.72	1,648.90	1,139.92	508.98	3.240	
15,800.00	7,107.48	15,779.48	7,139.90	263.61	251.31	91.13	-128.71	8,518.09	1,642.26	1,127.81	514.45	3.192	
15,900.00	7,107.66	15,842.30	7,140.79	266.63	253.19	91.16	-126.75	8,580.88	1,638.10	1,118.42	519.68	3.152	
16,000.00	7,107.84	15,905.00	7,142.31	269.65	255.08	91.21	-125.96	8,643.55	1,635.98	1,111.32	524.66	3.118	
16,100.00	7,108.02	16,000.00	7,144.52	272.66	257.94	91.28	-126.27	8,738.52	1,635.35	1,104.83	530.52	3.083	
16,108.40	7,108.03	16,000.00	7,144.52	272.92	257.94	91.28	-126.27	8,738.52	1,635.33	1,104.58	530.75	3.081	
16,200.00	7,108.20	16,056.02	7,145.34	275.68	259.63	91.30	-127.45	8,794.53	1,636.34	1,101.41	534.93	3.059	
16,204.45	7,108.21	16,058.78	7,145.37	275.82	259.72	91.30	-127.54	8,797.28	1,636.44	1,101.31	535.13	3.058	
16,300.00	7,108.38	16,143.32	7,145.64	278.70	262.27	91.31	-131.04	8,881.75	1,639.37	1,098.94	540.43	3.033	
16,400.00	7,108.56	16,301.33	7,143.17	281.72	267.05	91.21	-134.70	9,039.68	1,640.70	1,092.01	548.69	2.990	
16,500.00	7,108.73	16,422.76	7,141.18	284.74	270.71	91.13	-134.62	9,161.09	1,639.62	1,084.25	555.37	2.952	
16,600.00	7,108.91	16,513.90	7,137.33	287.76	273.45	90.99	-133.62	9,252.14	1,637.48	1,076.32	561.16	2.918	
16,655.00	7,109.01	16,549.41	7,136.10	289.42	274.52	90.95	-133.73	9,287.63	1,637.07	1,073.20	563.86	2.903	
16,700.00	7,109.09	16,584.27	7,135.12	290.78	275.57	90.91	-134.21	9,322.48	1,637.19	1,070.96	566.23	2.891	
16,704.45	7,109.10	16,588.74	7,134.98	290.91	275.70	90.91	-134.27	9,326.94	1,637.21	1,070.71	566.50	2.890	
16,800.00	7,109.27	16,662.00	7,132.02	293.80	277.91	90.80	-135.39	9,400.13	1,637.80	1,066.38	571.42	2.866	
16,900.00	7,109.45	16,738.15	7,128.83	296.82	280.22	90.68	-137.63	9,476.18	1,639.83	1,063.39	576.44	2.845	
17,000.00	7,109.63	16,828.22	7,126.19	299.84	282.94	90.58	-142.04	9,566.11	1,643.66	1,061.63	582.03	2.824	
17,100.00	7,109.81	16,926.42	7,124.14	302.86	285.92	90.50	-146.90	9,664.16	1,647.58	1,059.59	588.00	2.802	
17,200.00	7,109.99	17,035.38	7,123.48	305.88	289.22	90.47	-152.12	9,772.99	1,651.37	1,056.90	594.47	2.778	
17,300.00	7,110.17	17,154.40	7,121.75	308.90	292.83	90.40	-156.83	9,891.90	1,654.32	1,052.95	601.37	2.751	
17,327.87	7,110.22	17,187.14	7,120.52	309.74	293.82	90.36	-157.85	9,924.60	1,654.90	1,051.64	603.25	2.743 SF	

Company:	NueVida Resources, LLC	Local Co-ordinate Reference:	Well Ardourel 33081718 #5HL - Slot 5
Project:	La Plata County, CO (NAD83)	TVD Reference:	GL 6719' & RKB 25' @ 6744.00ft
Reference Site:	33N 08W Sec 18	MD Reference:	GL 6719' & RKB 25' @ 6744.00ft
Site Error:	0.00 ft	North Reference:	Grid
Reference Well:	Ardourel 33081718 #5HL	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	Grand Junction
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design 33N 08W Sec 18 - Ardourel 33081718 #4HU - OH - OH												Offset Site Error:	0.00 ft
Survey Program: 566-MWD+HDGM												Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
0.00	0.00	0.00	0.00	0.00	0.00	172.72	-19.85	2.53	20.01				
100.00	100.00	100.05	100.05	0.27	0.17	172.76	-19.71	2.51	19.87	19.43	0.44	45.114	
200.00	200.00	200.11	200.11	0.63	0.34	172.86	-19.32	2.42	19.47	18.50	0.97	20.058	
300.00	300.00	300.16	300.15	0.99	0.51	173.04	-18.65	2.28	18.79	17.29	1.50	12.523	
400.00	400.00	400.20	400.19	1.34	0.69	173.31	-17.72	2.08	17.84	15.81	2.03	8.788	
500.00	500.00	500.24	500.22	1.70	0.86	173.71	-16.53	1.82	16.63	14.07	2.56	6.495	
542.40	542.40	542.66	542.64	1.85	0.93	-172.00	-15.94	1.70	16.34	13.56	2.79	5.868 CC, ES	
600.00	599.98	600.32	600.29	2.06	1.09	-172.34	-15.03	1.50	16.83	13.68	3.15	5.337	
700.00	699.84	700.33	700.28	2.42	1.45	-174.13	-12.94	1.18	19.92	16.05	3.87	5.144 SF	
800.00	799.45	800.37	800.28	2.79	1.81	-176.13	-10.31	0.81	25.96	21.37	4.59	5.652	
900.00	898.70	900.26	900.11	3.15	2.17	-176.91	-6.79	-0.19	34.49	29.18	5.31	6.491	
1,000.00	997.47	999.80	999.55	3.53	2.53	-177.39	-2.69	-1.45	45.86	39.83	6.04	7.598	
1,100.00	1,095.62	1,099.16	1,098.79	3.92	2.89	-177.55	1.97	-3.11	60.07	53.31	6.76	8.884	
1,200.00	1,193.06	1,198.32	1,197.79	4.34	3.25	-177.68	7.24	-5.00	77.05	69.57	7.49	10.290	
1,300.00	1,289.79	1,298.56	1,297.77	4.78	3.62	-177.67	13.97	-7.48	95.48	87.26	8.22	11.616	
1,400.00	1,386.44	1,401.48	1,400.14	5.23	4.00	-177.20	23.77	-11.58	111.21	102.26	8.95	12.422	
1,500.00	1,483.08	1,505.39	1,502.88	5.69	4.40	-176.00	37.73	-18.35	122.62	112.92	9.69	12.651	
1,600.00	1,579.73	1,607.54	1,603.33	6.16	4.81	-174.51	54.25	-26.65	131.08	120.63	10.44	12.551	
1,700.00	1,676.38	1,709.10	1,702.92	6.63	5.22	-172.99	72.03	-35.62	138.18	126.98	11.21	12.330	
1,800.00	1,773.03	1,809.73	1,801.29	7.11	5.64	-171.39	90.89	-45.26	144.04	132.06	11.98	12.020	
1,900.00	1,869.68	1,905.19	1,894.85	7.59	6.05	-169.90	107.44	-54.55	151.41	138.63	12.77	11.852	
2,000.00	1,966.32	2,003.36	1,991.43	8.07	6.46	-168.69	122.58	-63.47	160.84	147.28	13.56	11.861	
2,100.00	2,062.97	2,103.26	2,089.86	8.56	6.87	-168.09	137.86	-71.11	170.54	156.20	14.34	11.889	
2,200.00	2,159.62	2,204.21	2,189.23	9.05	7.29	-167.55	153.87	-78.82	179.69	164.56	15.13	11.875	
2,300.00	2,256.27	2,302.98	2,286.45	9.54	7.71	-167.16	169.69	-86.11	188.70	172.78	15.92	11.854	
2,400.00	2,352.92	2,400.98	2,383.09	10.03	8.12	-167.17	184.84	-92.09	198.32	181.63	16.69	11.880	
2,500.00	2,449.56	2,499.18	2,480.07	10.53	8.52	-167.27	199.20	-97.72	208.79	191.33	17.47	11.955	
2,600.00	2,546.21	2,600.62	2,580.18	11.02	8.95	-167.23	214.32	-104.04	218.97	200.72	18.25	11.997	
2,700.00	2,642.86	2,701.71	2,679.78	11.52	9.37	-167.08	230.20	-110.85	228.32	209.27	19.04	11.990	
2,800.00	2,739.51	2,801.98	2,778.49	12.02	9.80	-166.93	246.41	-117.61	237.20	217.37	19.83	11.960	
2,900.00	2,836.16	2,901.07	2,876.04	12.51	10.22	-166.80	262.53	-124.32	245.98	225.36	20.62	11.929	
3,000.00	2,932.80	2,999.01	2,972.53	13.01	10.63	-166.69	277.97	-130.87	255.29	233.88	21.40	11.927	
3,100.00	3,029.45	3,098.56	3,070.67	13.51	11.05	-166.53	293.17	-137.78	265.07	242.88	22.19	11.943	
3,200.00	3,126.10	3,201.25	3,171.78	14.01	11.49	-166.31	309.49	-145.23	274.23	251.23	23.00	11.922	
3,300.00	3,222.75	3,297.76	3,266.68	14.51	11.91	-166.01	325.37	-152.75	282.83	259.04	23.79	11.888	
3,400.00	3,319.40	3,393.96	3,361.57	15.01	12.31	-165.80	339.49	-159.89	293.22	268.64	24.57	11.933	
3,500.00	3,416.05	3,490.77	3,457.17	15.51	12.72	-165.65	353.04	-166.81	304.30	278.95	25.35	12.004	
3,600.00	3,512.69	3,588.98	3,554.32	16.01	13.12	-165.66	366.03	-173.05	316.16	290.03	26.13	12.101	
3,700.00	3,609.34	3,691.01	3,655.28	16.51	13.54	-165.87	379.77	-178.37	327.78	300.87	26.92	12.178	
3,800.00	3,705.99	3,791.06	3,754.23	17.02	13.94	-166.24	393.95	-182.55	338.71	311.03	27.68	12.235	
3,900.00	3,802.64	3,893.81	3,855.78	17.52	14.37	-166.61	408.98	-186.76	349.21	320.74	28.47	12.268	
4,000.00	3,899.29	3,995.52	3,956.15	18.02	14.79	-166.85	424.73	-191.56	358.83	329.58	29.25	12.269	
4,100.00	3,995.93	4,090.33	4,049.77	18.52	15.19	-167.07	439.04	-196.00	368.86	338.86	30.00	12.296	
4,200.00	4,092.58	4,190.85	4,149.11	19.03	15.60	-167.29	453.69	-200.71	379.41	348.64	30.77	12.329	
4,300.00	4,189.23	4,293.69	4,250.58	19.53	16.03	-167.38	469.46	-206.41	389.17	357.60	31.57	12.327	
4,400.00	4,285.88	4,392.33	4,347.90	20.03	16.45	-167.44	484.50	-211.96	399.02	366.67	32.35	12.335	
4,500.00	4,382.53	4,495.10	4,449.07	20.54	16.89	-167.33	501.08	-219.00	407.91	374.75	33.16	12.302	
4,600.00	4,479.17	4,589.25	4,541.84	21.04	17.29	-167.12	515.45	-226.30	417.67	383.74	33.93	12.309	
4,700.00	4,575.82	4,690.91	4,642.08	21.54	17.72	-166.92	530.53	-233.99	427.88	393.13	34.75	12.315	
4,800.00	4,672.47	4,789.85	4,739.54	22.05	18.14	-166.81	546.10	-240.92	437.20	401.66	35.54	12.302	
4,900.00	4,769.12	4,884.07	4,832.59	22.55	18.53	-166.81	559.63	-246.74	447.91	411.62	36.29	12.341	
5,000.00	4,865.77	4,985.06	4,932.41	23.06	18.95	-166.86	573.90	-252.56	458.87	421.79	37.09	12.373	

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

Company:	NueVida Resources, LLC	Local Co-ordinate Reference:	Well Ardourel 33081718 #5HL - Slot 5
Project:	La Plata County, CO (NAD83)	TVD Reference:	GL 6719' & RKB 25' @ 6744.00ft
Reference Site:	33N 08W Sec 18	MD Reference:	GL 6719' & RKB 25' @ 6744.00ft
Site Error:	0.00 ft	North Reference:	Grid
Reference Well:	Ardourel 33081718 #5HL	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	Grand Junction
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design 33N 08W Sec 18 - Ardourel 33081718 #4HU - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 566-MWD+HDGM													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,962.41	5,086.78	5,032.83	23.56	19.38	-166.87	588.83	-258.74	469.27	431.39	37.88	12.387		
5,200.00	5,059.06	5,187.77	5,132.45	24.06	19.81	-166.81	604.00	-265.51	479.33	440.64	38.69	12.390		
5,300.00	5,155.71	5,287.35	5,230.61	24.57	20.23	-166.69	619.14	-272.67	489.17	449.69	39.48	12.389		
5,400.00	5,252.36	5,385.74	5,327.61	25.07	20.65	-166.56	633.97	-279.85	499.15	458.88	40.28	12.393		
5,500.00	5,349.01	5,493.64	5,433.88	25.58	21.11	-166.41	650.80	-287.95	508.61	467.49	41.12	12.368		
5,600.00	5,445.65	5,498.00	5,438.16	26.08	21.13	-166.40	651.53	-288.29	525.78	484.89	40.89	12.858		
5,700.00	5,542.30	5,498.00	5,438.16	26.59	21.13	-166.40	651.53	-288.29	560.52	520.92	39.60	14.156		
5,800.00	5,638.95	5,498.00	5,438.16	27.09	21.13	-166.40	651.53	-288.29	609.85	572.13	37.72	16.166		
5,900.00	5,735.60	5,498.00	5,438.16	27.60	21.13	-166.40	651.53	-288.29	670.57	634.88	35.69	18.790		
6,000.00	5,832.25	5,498.00	5,438.16	28.10	21.13	-166.40	651.53	-288.29	739.87	706.12	33.74	21.926		
6,100.00	5,928.89	5,498.00	5,438.16	28.61	21.13	-166.40	651.53	-288.29	815.56	783.55	32.01	25.480		
6,200.00	6,025.54	5,498.00	5,438.16	29.11	21.13	-166.40	651.53	-288.29	896.04	865.52	30.52	29.363		
6,300.00	6,122.19	5,498.00	5,438.16	29.62	21.13	-166.40	651.53	-288.29	980.11	950.85	29.26	33.496		
6,400.00	6,218.84	5,498.00	5,438.16	30.12	21.13	-166.40	651.53	-288.29	1,066.94	1,038.72	28.22	37.814		
6,500.00	6,315.49	5,498.00	5,438.16	30.63	21.13	-166.40	651.53	-288.29	1,155.90	1,128.54	27.35	42.258		
6,600.00	6,412.23	5,498.00	5,438.16	31.12	21.13	164.68	651.53	-288.29	1,246.45	1,219.80	26.65	46.775		
6,700.00	6,508.63	5,498.00	5,438.16	31.57	21.13	120.96	651.53	-288.29	1,337.29	1,311.20	26.09	51.262		
6,800.00	6,602.90	5,498.00	5,438.16	31.95	21.13	90.45	651.53	-288.29	1,426.76	1,401.09	25.67	55.591		
6,900.00	6,693.21	5,498.00	5,438.16	32.27	21.13	70.74	651.53	-288.29	1,513.52	1,488.13	25.39	59.616		
7,000.00	6,777.80	5,498.00	5,438.16	32.53	21.13	57.74	651.53	-288.29	1,596.45	1,571.18	25.27	63.171		
7,100.00	6,855.02	5,498.00	5,438.16	32.75	21.13	48.87	651.53	-288.29	1,674.63	1,649.29	25.34	66.083		
7,200.00	6,923.38	5,498.00	5,438.16	32.92	21.13	42.63	651.53	-288.29	1,747.27	1,721.65	25.62	68.189		
7,300.00	6,981.53	5,498.00	5,438.16	33.04	21.13	38.14	651.53	-288.29	1,813.70	1,787.56	26.14	69.374		
7,400.00	7,028.35	5,498.00	5,438.16	33.13	21.13	34.90	651.53	-288.29	1,873.35	1,846.44	26.92	69.601		
7,500.00	7,062.93	5,498.00	5,438.16	33.19	21.13	32.56	651.53	-288.29	1,925.75	1,897.81	27.94	68.925		
7,600.00	7,084.59	5,498.00	5,438.16	33.27	21.13	30.94	651.53	-288.29	1,970.48	1,941.28	29.20	67.485		
7,700.00	7,092.91	5,498.00	5,438.16	33.56	21.13	29.91	651.53	-288.29	2,007.22	1,976.56	30.66	65.465		
7,800.00	7,093.16	5,498.00	5,438.16	34.62	21.13	29.83	651.53	-288.29	2,040.82	2,008.57	32.25	63.275		
7,900.00	7,093.34	5,498.00	5,438.16	36.29	21.13	29.83	651.53	-288.29	2,078.63	2,044.76	33.87	61.365		
8,000.00	7,093.52	5,498.00	5,438.16	38.21	21.13	29.83	651.53	-288.29	2,120.49	2,085.01	35.48	59.761		
8,100.00	7,093.70	5,498.00	5,438.16	40.28	21.13	29.83	651.53	-288.29	2,166.16	2,129.10	37.06	58.456		
8,200.00	7,093.88	5,498.00	5,438.16	42.48	21.13	29.83	651.53	-288.29	2,215.40	2,176.82	38.58	57.429		
8,300.00	7,094.06	5,498.00	5,438.16	44.78	21.13	29.83	651.53	-288.29	2,267.98	2,227.95	40.03	56.655		

Company:	NueVida Resources, LLC	Local Co-ordinate Reference:	Well Ardourel 33081718 #5HL - Slot 5
Project:	La Plata County, CO (NAD83)	TVD Reference:	GL 6719' & RKB 25' @ 6744.00ft
Reference Site:	33N 08W Sec 18	MD Reference:	GL 6719' & RKB 25' @ 6744.00ft
Site Error:	0.00 ft	North Reference:	Grid
Reference Well:	Ardourel 33081718 #5HL	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	Grand Junction
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design 33N 08W Sec 18 - Ardourel 33081718 #4HU - ST1 - ST1													Offset Site Error: 0.00 ft	
Survey Program: 566-MWD+HDGM, 3109-MWD+HDGM													Offset Well Error: 0.00 ft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
0.00	0.00	0.00	0.00	0.00	0.00	172.72	-19.85	2.53	20.01					
100.00	100.00	100.05	100.05	0.27	0.17	172.76	-19.71	2.51	19.87	19.43	0.44	45.114		
200.00	200.00	200.11	200.11	0.63	0.34	172.86	-19.32	2.42	19.47	18.50	0.97	20.058		
300.00	300.00	300.16	300.15	0.99	0.51	173.04	-18.65	2.28	18.79	17.29	1.50	12.523		
400.00	400.00	400.20	400.19	1.34	0.69	173.31	-17.72	2.08	17.84	15.81	2.03	8.788		
500.00	500.00	500.24	500.22	1.70	0.86	173.71	-16.53	1.82	16.63	14.07	2.56	6.495		
542.40	542.40	542.66	542.64	1.85	0.93	-172.00	-15.94	1.70	16.34	13.56	2.79	5.868 CC, ES		
600.00	599.98	600.32	600.29	2.06	1.09	-172.34	-15.03	1.50	16.83	13.68	3.15	5.337		
700.00	699.84	700.33	700.28	2.42	1.45	-174.13	-12.94	1.18	19.92	16.05	3.87	5.144		
800.00	799.45	800.37	800.28	2.79	1.81	-176.13	-10.31	0.81	25.96	21.37	4.59	5.652		
900.00	898.70	900.26	900.11	3.15	2.17	-176.91	-6.79	-0.19	34.49	29.18	5.31	6.491		
1,000.00	997.47	999.80	999.55	3.53	2.53	-177.39	-2.69	-1.45	45.86	39.83	6.04	7.598		
1,100.00	1,095.62	1,099.16	1,098.79	3.92	2.89	-177.55	1.97	-3.11	60.07	53.31	6.76	8.884		
1,200.00	1,193.06	1,198.32	1,197.79	4.34	3.25	-177.68	7.24	-5.00	77.05	69.57	7.49	10.290		
1,300.00	1,289.79	1,298.56	1,297.77	4.78	3.62	-177.67	13.97	-7.48	95.48	87.26	8.22	11.616		
1,400.00	1,386.44	1,401.48	1,400.14	5.23	4.00	-177.20	23.77	-11.58	111.21	102.26	8.95	12.422		
1,500.00	1,483.08	1,505.39	1,502.88	5.69	4.40	-176.00	37.73	-18.35	122.62	112.92	9.69	12.651		
1,600.00	1,579.73	1,607.54	1,603.33	6.16	4.81	-174.51	54.25	-26.65	131.08	120.63	10.44	12.551		
1,700.00	1,676.38	1,709.10	1,702.92	6.63	5.22	-172.99	72.03	-35.62	138.18	126.98	11.21	12.330		
1,800.00	1,773.03	1,809.73	1,801.29	7.11	5.64	-171.39	90.89	-45.26	144.04	132.06	11.98	12.020		
1,900.00	1,869.68	1,905.19	1,894.85	7.59	6.05	-169.90	107.44	-54.55	151.41	138.63	12.77	11.852		
2,000.00	1,966.32	2,003.36	1,991.43	8.07	6.46	-168.69	122.58	-63.47	160.84	147.28	13.56	11.861		
2,100.00	2,062.97	2,103.26	2,089.86	8.56	6.87	-168.09	137.86	-71.11	170.54	156.20	14.34	11.889		
2,200.00	2,159.62	2,204.21	2,189.23	9.05	7.29	-167.55	153.87	-78.82	179.69	164.56	15.13	11.875		
2,300.00	2,256.27	2,302.98	2,286.45	9.54	7.71	-167.16	169.69	-86.11	188.70	172.78	15.92	11.854		
2,400.00	2,352.92	2,400.98	2,383.09	10.03	8.12	-167.17	184.84	-92.09	198.32	181.63	16.69	11.880		
2,500.00	2,449.56	2,499.18	2,480.07	10.53	8.52	-167.27	199.20	-97.72	208.79	191.33	17.47	11.955		
2,600.00	2,546.21	2,600.62	2,580.18	11.02	8.95	-167.23	214.32	-104.04	218.97	200.72	18.25	11.997		
2,700.00	2,642.86	2,701.71	2,679.78	11.52	9.37	-167.08	230.20	-110.85	228.32	209.27	19.04	11.990		
2,800.00	2,739.51	2,801.98	2,778.49	12.02	9.80	-166.93	246.41	-117.61	237.20	217.37	19.83	11.960		
2,900.00	2,836.16	2,901.07	2,876.04	12.51	10.22	-166.80	262.53	-124.32	245.98	225.36	20.62	11.929		
3,000.00	2,932.80	2,999.01	2,972.53	13.01	10.63	-166.69	277.97	-130.87	255.29	233.88	21.40	11.927		
3,100.00	3,029.45	3,094.26	3,066.52	13.51	10.95	-166.63	292.15	-137.01	265.48	243.40	22.08	12.021		
3,200.00	3,126.10	3,188.96	3,160.26	14.01	11.05	-166.91	304.78	-141.54	277.27	254.75	22.52	12.314		
3,300.00	3,222.75	3,284.49	3,255.07	14.51	11.13	-167.09	315.38	-146.48	291.27	268.34	22.93	12.700		
3,400.00	3,319.40	3,385.21	3,355.01	15.01	11.22	-167.24	326.73	-151.75	305.12	281.74	23.38	13.050		
3,500.00	3,416.05	3,483.24	3,452.25	15.51	11.33	-167.39	338.02	-156.84	318.72	294.89	23.83	13.374		
3,600.00	3,512.69	3,580.97	3,549.19	16.01	11.44	-167.27	348.65	-163.32	332.91	308.60	24.30	13.698		
3,700.00	3,609.34	3,677.91	3,645.25	16.51	11.57	-166.89	358.82	-171.43	347.43	322.63	24.80	14.010		
3,800.00	3,705.99	3,775.45	3,741.98	17.02	11.71	-166.56	368.47	-179.38	362.57	337.26	25.31	14.326		
3,900.00	3,802.64	3,881.85	3,847.41	17.52	11.88	-166.19	379.63	-188.32	377.14	351.26	25.87	14.576		
4,000.00	3,899.29	3,985.78	3,950.01	18.02	12.08	-165.62	392.58	-198.71	389.72	363.26	26.46	14.731		
4,100.00	3,995.93	4,094.07	4,056.71	18.52	12.30	-165.11	407.82	-209.13	400.71	373.65	27.06	14.808		
4,200.00	4,092.58	4,199.53	4,160.42	19.03	12.54	-164.86	424.93	-217.76	409.55	381.90	27.65	14.811		
4,300.00	4,189.23	4,292.92	4,252.36	19.53	12.76	-164.76	439.81	-224.50	418.69	390.47	28.22	14.839		
4,400.00	4,285.88	4,388.90	4,347.15	20.03	12.98	-164.81	453.62	-230.49	429.36	400.58	28.78	14.918		
4,500.00	4,382.53	4,496.23	4,452.95	20.54	13.24	-164.85	470.41	-237.15	438.75	409.36	29.39	14.928		
4,600.00	4,479.17	4,591.76	4,547.11	21.04	13.48	-164.90	485.47	-242.99	448.07	418.09	29.97	14.948		
4,700.00	4,575.82	4,686.73	4,640.89	21.54	13.73	-164.98	499.38	-248.49	458.49	427.93	30.56	15.003		
4,800.00	4,672.47	4,784.11	4,737.05	22.05	13.99	-164.90	513.04	-255.50	469.55	438.37	31.17	15.062		
4,900.00	4,769.12	4,887.50	4,839.05	22.55	14.27	-164.66	527.46	-264.28	480.70	448.87	31.84	15.098		
5,000.00	4,865.77	4,997.38	4,947.09	23.06	14.60	-164.31	544.78	-274.40	490.05	457.50	32.54	15.058		

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

Company:	NueVida Resources, LLC	Local Co-ordinate Reference:	Well Ardourel 33081718 #5HL - Slot 5
Project:	La Plata County, CO (NAD83)	TVD Reference:	GL 6719' & RKB 25' @ 6744.00ft
Reference Site:	33N 08W Sec 18	MD Reference:	GL 6719' & RKB 25' @ 6744.00ft
Site Error:	0.00 ft	North Reference:	Grid
Reference Well:	Ardourel 33081718 #5HL	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	Grand Junction
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design 33N 08W Sec 18 - Ardourel 33081718 #4HU - ST1 - ST1													Offset Site Error:	0.00 ft
Survey Program: 566-MWD+HDGM, 3109-MWD+HDGM													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,962.41	5,103.52	5,051.14	23.56	14.94	-164.02	563.37	-283.90	497.62	464.38	33.24	14.970		
5,200.00	5,059.06	5,209.51	5,154.82	24.06	15.29	-163.71	583.15	-293.53	504.05	470.10	33.95	14.849		
5,300.00	5,155.71	5,311.34	5,254.27	24.57	15.64	-163.41	603.02	-302.82	509.63	474.98	34.65	14.707		
5,400.00	5,252.36	5,411.16	5,351.73	25.07	15.99	-163.17	622.68	-311.59	515.02	479.67	35.36	14.567		
5,500.00	5,349.01	5,507.96	5,446.35	25.58	16.33	-162.97	641.44	-319.79	520.74	484.69	36.06	14.442		
5,600.00	5,445.65	5,607.16	5,543.41	26.08	16.68	-162.80	660.27	-327.91	526.86	490.09	36.76	14.331		
5,700.00	5,542.30	5,706.31	5,640.44	26.59	17.04	-162.66	679.02	-335.79	533.04	495.57	37.47	14.225		
5,800.00	5,638.95	5,807.69	5,739.70	27.09	17.40	-162.56	698.20	-343.50	539.21	501.02	38.19	14.119		
5,900.00	5,735.60	5,911.87	5,841.57	27.60	17.79	-162.46	718.50	-351.40	544.80	505.88	38.92	13.998		
6,000.00	5,832.25	6,017.01	5,944.19	28.10	18.19	-162.37	739.99	-359.24	549.40	509.74	39.66	13.854		
6,100.00	5,928.89	6,119.49	6,044.09	28.61	18.59	-162.28	761.57	-366.78	553.37	512.98	40.39	13.701		
6,200.00	6,025.54	6,217.24	6,139.28	29.11	18.97	-162.19	782.59	-374.05	556.91	515.80	41.12	13.545		
6,300.00	6,122.19	6,299.86	6,220.36	29.62	19.26	-162.76	798.21	-374.02	562.66	520.96	41.70	13.494		
6,400.00	6,218.84	6,385.11	6,303.98	30.12	19.50	-164.30	811.51	-364.55	571.32	529.20	42.12	13.565		
6,500.00	6,315.49	6,474.85	6,390.65	30.63	19.70	-166.82	823.61	-344.85	582.48	540.07	42.42	13.733		
6,600.00	6,412.23	6,571.95	6,481.95	31.12	19.89	170.76	836.24	-314.43	595.55	552.85	42.70	13.948		
6,700.00	6,508.63	6,662.29	6,564.11	31.57	20.05	139.76	849.53	-279.35	607.82	564.79	43.03	14.126		
6,800.00	6,602.90	6,731.00	6,623.59	31.95	20.16	119.63	856.02	-245.69	624.31	581.08	43.23	14.442		
6,900.00	6,693.21	6,779.80	6,663.33	32.27	20.20	107.22	858.18	-217.47	644.18	600.98	43.20	14.912		
7,000.00	6,777.80	6,852.17	6,717.37	32.53	20.25	98.39	859.67	-169.43	665.74	622.36	43.39	15.344		
7,100.00	6,855.02	6,911.00	6,756.97	32.75	20.28	92.09	860.30	-125.96	686.88	643.40	43.48	15.796		
7,200.00	6,923.38	6,984.40	6,799.74	32.92	20.30	87.12	859.17	-66.41	707.79	663.78	44.01	16.082		
7,300.00	6,981.53	7,069.75	6,838.29	33.04	20.31	83.02	855.81	9.55	728.31	683.29	45.02	16.177		
7,400.00	7,028.35	7,231.92	6,884.19	33.13	21.39	78.70	862.28	164.65	739.83	691.92	47.91	15.441		
7,480.64	7,057.22	7,319.66	6,897.67	33.18	22.91	76.52	873.59	250.56	740.13	690.22	49.91	14.828		
7,500.00	7,062.93	7,335.96	6,899.24	33.19	23.22	76.17	875.89	266.62	739.67	689.37	50.30	14.706		
7,585.69	7,082.30	7,408.13	6,903.03	33.25	24.63	74.97	886.11	337.95	735.61	683.33	52.28	14.070		
7,600.00	7,084.59	7,420.32	6,903.33	33.27	24.88	74.84	887.80	350.02	734.60	681.95	52.66	13.951		
7,689.67	7,092.67	7,500.40	6,903.66	33.50	26.57	74.57	898.62	429.36	725.97	670.69	55.28	13.132		
7,700.00	7,092.91	7,510.81	6,903.61	33.56	26.80	74.60	900.00	439.68	724.67	669.03	55.64	13.025		
7,791.02	7,093.77	7,600.64	6,903.36	34.49	28.82	74.33	912.03	528.70	712.51	653.58	58.93	12.091		
7,800.00	7,093.16	7,609.12	6,903.43	34.62	29.02	74.36	913.12	537.11	710.97	651.70	59.27	11.994		
7,890.44	7,093.32	7,694.57	6,905.35	36.12	31.05	74.25	923.58	621.89	698.94	636.16	62.79	11.132		
7,900.00	7,093.34	7,703.54	6,905.58	36.29	31.27	74.24	924.63	630.80	697.70	634.54	63.16	11.046		
7,989.60	7,093.50	7,786.18	6,907.33	38.01	33.31	74.13	934.13	712.87	686.47	619.68	66.79	10.279		
8,000.00	7,093.52	7,795.41	6,907.52	38.21	33.54	74.12	935.13	722.05	685.22	618.02	67.20	10.197		
8,088.08	7,093.68	7,871.44	6,909.26	40.04	35.47	74.06	942.74	797.67	675.41	604.63	70.78	9.543		
8,100.00	7,093.70	7,880.81	6,909.51	40.28	35.71	74.06	943.55	807.00	674.22	602.97	71.24	9.464		
8,184.88	7,093.85	7,949.00	6,911.51	42.15	37.48	74.08	948.34	874.99	667.00	592.33	74.67	8.932		
8,200.00	7,093.88	7,949.00	6,911.51	42.48	37.48	74.08	948.34	874.99	666.06	591.19	74.87	8.897		
8,283.62	7,094.03	8,024.36	6,914.41	44.40	39.48	74.23	951.11	950.24	661.53	582.86	78.67	8.409		
8,300.00	7,094.06	8,044.00	6,915.32	44.78	40.00	74.29	951.37	969.86	660.99	581.38	79.61	8.303		
8,380.78	7,094.20	8,109.67	6,917.54	46.70	41.77	74.44	951.86	1,035.49	658.82	575.70	83.12	7.926		
8,400.00	7,094.23	8,127.25	6,917.82	47.16	42.24	74.45	951.98	1,053.06	658.44	574.43	84.01	7.837		
8,480.61	7,094.38	8,206.87	6,918.63	49.14	44.41	74.48	952.39	1,132.68	657.07	569.01	88.06	7.461		
8,500.00	7,094.41	8,226.23	6,918.89	49.61	44.94	74.49	952.48	1,152.04	656.74	567.69	89.05	7.375		
8,581.45	7,094.56	8,313.20	6,920.29	51.66	47.34	74.56	953.14	1,238.99	655.04	561.55	93.50	7.006		
8,600.00	7,094.59	8,331.94	6,920.62	52.13	47.86	74.58	953.37	1,257.73	654.56	560.09	94.47	6.929		
8,680.51	7,094.74	8,405.99	6,920.95	54.19	49.93	74.56	954.16	1,331.77	652.90	554.50	98.40	6.635		
8,700.00	7,094.77	8,424.50	6,920.77	54.69	50.45	74.53	954.31	1,350.28	652.61	553.25	99.37	6.568		
8,780.55	7,094.92	8,507.35	6,920.16	56.80	52.78	74.43	955.06	1,433.12	651.32	547.66	103.66	6.283		
8,800.00	7,094.95	8,525.72	6,920.11	57.31	53.30	74.42	955.23	1,451.50	650.99	546.35	104.64	6.221		

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

Company:	NueVida Resources, LLC	Local Co-ordinate Reference:	Well Ardourel 33081718 #5HL - Slot 5
Project:	La Plata County, CO (NAD83)	TVD Reference:	GL 6719' & RKB 25' @ 6744.00ft
Reference Site:	33N 08W Sec 18	MD Reference:	GL 6719' & RKB 25' @ 6744.00ft
Site Error:	0.00 ft	North Reference:	Grid
Reference Well:	Ardourel 33081718 #5HL	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	Grand Junction
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design 33N 08W Sec 18 - Ardourel 33081718 #4HU - ST1 - ST1													Offset Site Error: 0.00 ft	
Survey Program: 566-MWD+HDGM, 3109-MWD+HDGM													Offset Well Error: 0.00 ft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Minimum Separation	Separation Factor			
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
8,879.30	7,095.09	8,597.35	6,920.51	59.41	55.34	74.42	955.19	1,523.12	650.18	541.62	108.55	5.989		
8,900.00	7,095.13	8,615.71	6,920.76	59.96	55.86	74.44	955.00	1,541.48	650.12	540.55	109.57	5.933		
8,921.61	7,095.17	8,634.40	6,920.92	60.54	56.39	74.45	954.74	1,560.16	650.15	539.54	110.61	5.878		
9,000.00	7,095.31	8,702.22	6,920.49	62.64	58.33	74.42	953.38	1,627.96	651.09	536.76	114.33	5.695		
9,021.22	7,095.35	8,723.65	6,920.11	63.22	58.94	74.40	952.84	1,649.39	651.51	536.03	115.48	5.642		
9,100.00	7,095.49	8,803.78	6,918.72	65.36	61.24	74.29	950.88	1,729.48	653.01	533.25	119.76	5.453		
9,122.39	7,095.53	8,828.08	6,918.32	65.97	61.94	74.26	950.35	1,753.78	653.37	532.32	121.05	5.397		
9,200.00	7,095.67	8,910.98	6,917.07	68.10	64.34	74.16	949.05	1,836.65	654.13	528.66	125.47	5.213		
9,222.94	7,095.71	8,934.36	6,916.77	68.74	65.01	74.13	948.76	1,860.03	654.28	527.54	126.73	5.163		
9,300.00	7,095.85	9,014.71	6,915.96	70.87	67.35	74.05	947.87	1,940.37	654.61	523.54	131.07	4.994		
9,379.61	7,095.99	9,099.88	6,915.50	73.09	69.82	73.99	947.54	2,025.54	654.29	518.61	135.67	4.823		
9,400.00	7,096.02	9,120.73	6,915.43	73.65	70.43	73.97	947.53	2,046.39	654.12	517.31	136.81	4.781		
9,480.16	7,096.17	9,204.05	6,915.24	75.90	72.87	73.92	947.66	2,129.71	653.32	511.96	141.35	4.622		
9,500.00	7,096.20	9,225.30	6,915.22	76.46	73.49	73.91	947.78	2,150.96	653.04	510.53	142.51	4.582		
9,581.14	7,096.35	9,311.44	6,915.36	78.75	76.01	73.86	948.65	2,237.09	651.46	504.26	147.20	4.426		
9,600.00	7,096.38	9,331.28	6,915.41	79.28	76.59	73.85	948.94	2,256.93	651.01	502.73	148.29	4.390		
9,681.65	7,096.53	9,415.75	6,915.33	81.60	79.07	73.77	950.53	2,341.39	648.80	495.91	152.90	4.243		
9,700.00	7,096.56	9,434.54	6,915.06	82.12	79.62	73.73	951.00	2,360.17	648.27	494.36	153.90	4.212		
9,780.10	7,096.71	9,503.63	6,913.67	84.40	81.65	73.55	952.50	2,429.22	646.35	488.59	157.76	4.097		
9,800.00	7,096.74	9,519.51	6,913.44	84.97	82.12	73.52	952.57	2,445.11	646.17	487.50	158.67	4.072		
9,821.64	7,096.78	9,536.79	6,913.24	85.59	82.63	73.50	952.52	2,462.39	646.10	486.45	159.66	4.047		
9,900.00	7,096.92	9,601.85	6,912.62	87.83	84.54	73.45	951.32	2,527.42	646.98	483.63	163.35	3.961		
9,919.87	7,096.96	9,618.53	6,912.39	88.41	85.04	73.43	950.82	2,544.10	647.45	483.16	164.29	3.941		
10,000.00	7,097.10	9,696.56	6,911.08	90.71	87.34	73.36	947.93	2,622.07	649.94	481.31	168.63	3.854		
10,021.17	7,097.14	9,719.27	6,910.72	91.32	88.02	73.34	947.15	2,644.75	650.53	480.64	169.89	3.829		
10,100.00	7,097.28	9,803.72	6,909.57	93.59	90.52	73.27	944.72	2,729.16	652.30	477.73	174.57	3.737		
10,122.56	7,097.32	9,827.88	6,909.28	94.25	91.23	73.25	944.15	2,753.31	652.68	476.78	175.90	3.710		
10,200.00	7,097.46	9,913.31	6,908.20	96.49	93.77	73.16	942.79	2,838.73	653.43	472.84	180.59	3.618		
10,223.20	7,097.50	9,938.12	6,907.85	97.16	94.50	73.13	942.61	2,863.53	653.47	471.53	181.94	3.592		
10,300.00	7,097.64	10,014.90	6,906.70	99.39	96.78	73.01	942.15	2,940.30	653.55	467.38	186.17	3.511		
10,379.05	7,097.78	10,096.50	6,905.31	101.69	99.21	72.87	941.86	3,021.89	653.50	462.88	190.61	3.428		
10,400.00	7,097.81	10,118.21	6,904.89	102.30	99.85	72.83	941.86	3,043.60	653.42	461.63	191.79	3.407		
10,440.89	7,097.89	10,156.49	6,904.28	103.49	100.99	72.76	941.76	3,081.87	653.34	459.42	193.91	3.369		
10,500.00	7,097.99	10,213.00	6,903.89	105.21	102.68	72.72	941.17	3,138.38	653.52	456.42	197.09	3.316		
10,523.02	7,098.04	10,235.44	6,903.83	105.89	103.34	72.72	940.84	3,160.82	653.64	455.28	198.36	3.295		
10,600.00	7,098.17	10,314.38	6,903.39	108.14	105.70	72.67	940.00	3,239.74	653.86	451.08	202.77	3.225		
10,622.29	7,098.21	10,335.09	6,903.25	108.79	106.32	72.65	939.78	3,260.46	653.93	449.98	203.95	3.206		
10,700.00	7,098.35	10,407.42	6,902.90	111.07	108.47	72.63	938.55	3,332.77	654.58	446.53	208.06	3.146		
10,721.51	7,098.39	10,427.74	6,902.89	111.70	109.08	72.63	938.08	3,353.09	654.87	445.65	209.22	3.130		
10,800.00	7,098.53	10,502.78	6,903.53	114.00	111.33	72.71	935.78	3,428.09	656.25	442.65	213.60	3.072		
10,822.35	7,098.57	10,526.70	6,903.91	114.66	112.04	72.76	934.97	3,451.99	656.66	441.66	215.01	3.054		
10,900.00	7,098.71	10,610.13	6,905.62	116.94	114.54	72.93	932.52	3,535.37	657.67	437.74	219.94	2.990		
10,979.41	7,098.85	10,697.52	6,908.04	119.28	117.15	73.14	930.67	3,622.70	657.92	432.80	225.11	2.923		
11,000.00	7,098.89	10,721.64	6,908.70	119.88	117.87	73.19	930.40	3,646.81	657.79	431.27	226.51	2.904		
11,081.15	7,099.03	10,811.59	6,910.61	122.28	120.57	73.31	930.64	3,736.74	656.32	424.65	231.67	2.833		
11,100.00	7,099.07	10,830.75	6,910.95	122.83	121.14	73.33	930.81	3,755.90	655.90	423.12	232.78	2.818		
11,181.80	7,099.21	10,917.71	6,912.38	125.25	123.74	73.38	931.86	3,842.84	653.82	416.09	237.73	2.750		
11,200.00	7,099.25	10,937.85	6,912.68	125.78	124.34	73.39	932.26	3,862.97	653.23	414.38	238.85	2.735		
11,282.69	7,099.40	11,024.47	6,913.90	128.23	126.93	73.40	934.50	3,949.56	650.09	406.35	243.74	2.667		
11,300.00	7,099.43	11,042.15	6,914.14	128.74	127.46	73.40	935.00	3,967.23	649.39	404.65	244.74	2.653		
11,381.71	7,099.57	11,116.52	6,914.99	131.16	129.68	73.40	936.87	4,041.57	646.42	397.28	249.15	2.595		
11,400.00	7,099.61	11,132.62	6,915.11	131.70	130.16	73.40	937.14	4,057.67	645.92	395.81	250.11	2.583		

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

Company:	NueVida Resources, LLC	Local Co-ordinate Reference:	Well Ardourel 33081718 #5HL - Slot 5
Project:	La Plata County, CO (NAD83)	TVD Reference:	GL 6719' & RKB 25' @ 6744.00ft
Reference Site:	33N 08W Sec 18	MD Reference:	GL 6719' & RKB 25' @ 6744.00ft
Site Error:	0.00 ft	North Reference:	Grid
Reference Well:	Ardourel 33081718 #5HL	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	Grand Junction
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design 33N 08W Sec 18 - Ardourel 33081718 #4HU - ST1 - ST1													Offset Site Error:	0.00 ft
Survey Program: 566-MWD+HDGM, 3109-MWD+HDGM													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
11,480.70	7,099.75	11,209.52	6,915.28	134.09	132.46	73.35	938.08	4,134.56	644.18	389.65	254.52	2.531		
11,500.00	7,099.78	11,228.50	6,915.19	134.66	133.03	73.33	938.32	4,153.54	643.80	388.21	255.59	2.519		
11,579.42	7,099.93	11,299.01	6,914.64	137.02	135.15	73.24	938.86	4,224.04	642.68	383.05	259.63	2.475		
11,600.00	7,099.96	11,316.62	6,914.52	137.63	135.68	73.23	938.79	4,241.66	642.61	381.97	260.65	2.465		
11,625.99	7,100.01	11,342.00	6,914.36	138.40	136.44	73.21	938.53	4,267.03	642.67	380.59	262.08	2.452		
11,700.00	7,100.14	11,411.35	6,914.23	140.60	138.52	73.20	937.45	4,336.37	643.13	377.05	266.08	2.417		
11,722.47	7,100.18	11,433.50	6,914.31	141.27	139.19	73.21	937.04	4,358.52	643.30	375.93	267.37	2.406		
11,800.00	7,100.32	11,510.14	6,914.68	143.57	141.49	73.24	935.53	4,435.14	643.95	372.11	271.84	2.369		
11,821.86	7,100.36	11,531.00	6,914.76	144.22	142.12	73.25	935.10	4,456.00	644.15	371.09	273.06	2.359		
11,900.00	7,100.50	11,605.34	6,914.17	146.55	144.35	73.21	933.56	4,530.32	645.16	367.88	277.28	2.327		
11,921.69	7,100.54	11,625.85	6,913.69	147.19	144.97	73.17	933.14	4,550.82	645.54	367.13	278.41	2.319		
12,000.00	7,100.68	11,707.59	6,911.56	149.52	147.43	73.00	931.67	4,632.52	646.77	363.92	282.84	2.287		
12,020.99	7,100.72	11,728.01	6,911.03	150.15	148.04	72.95	931.36	4,652.93	647.04	363.08	283.95	2.279		
12,100.00	7,100.86	11,798.83	6,909.44	152.50	150.17	72.83	929.68	4,723.71	648.64	360.80	287.84	2.253		
12,120.21	7,100.89	11,817.26	6,909.09	153.10	150.73	72.81	929.07	4,742.12	649.21	360.34	288.86	2.247		
12,200.00	7,101.04	11,896.41	6,908.47	155.48	153.11	72.81	926.04	4,821.21	651.58	358.17	293.41	2.221		
12,221.42	7,101.08	11,918.79	6,908.58	156.12	153.79	72.83	925.09	4,843.57	652.22	357.48	294.74	2.213		
12,300.00	7,101.22	12,005.97	6,909.39	158.47	156.41	72.94	921.99	4,930.69	653.96	354.02	299.94	2.180		
12,322.15	7,101.26	12,028.54	6,909.63	159.13	157.09	72.97	921.34	4,953.25	654.31	353.02	301.29	2.172		
12,400.00	7,101.40	12,108.97	6,910.20	161.45	159.52	73.04	919.30	5,033.66	655.32	349.30	306.02	2.141		
12,422.77	7,101.44	12,132.69	6,910.31	162.13	160.23	73.05	918.79	5,057.37	655.55	348.14	307.41	2.133		
12,500.00	7,101.57	12,213.25	6,910.72	164.44	162.66	73.09	917.30	5,137.92	656.09	344.00	312.10	2.102		
12,523.26	7,101.62	12,237.59	6,910.81	165.13	163.39	73.10	916.95	5,162.25	656.18	342.68	313.50	2.093		
12,600.00	7,101.75	12,315.15	6,910.97	167.43	165.73	73.10	916.09	5,239.80	656.25	338.27	317.98	2.064		
12,623.10	7,101.79	12,337.24	6,911.04	168.12	166.40	73.10	915.80	5,261.90	656.30	337.04	319.27	2.056		
12,700.00	7,101.93	12,417.16	6,911.52	170.42	168.81	73.14	914.60	5,341.80	656.58	332.67	323.91	2.027		
12,780.39	7,102.08	12,507.37	6,913.04	172.82	171.53	73.24	914.27	5,431.99	655.72	326.56	329.16	1.992 Collision Risk Procedures Req.		
12,800.00	7,102.11	12,525.15	6,913.34	173.41	172.06	73.26	914.29	5,449.78	655.43	325.18	330.24	1.985 Collision Risk Procedures Req.		
12,879.37	7,102.25	12,597.97	6,913.48	175.78	174.25	73.24	914.16	5,522.60	654.78	320.28	334.51	1.957 Collision Risk Procedures Req.		
12,900.00	7,102.29	12,620.35	6,913.29	176.40	174.93	73.22	914.13	5,544.98	654.68	318.94	335.74	1.950 Collision Risk Procedures Req.		
12,980.15	7,102.43	12,705.56	6,912.43	178.80	177.49	73.10	914.57	5,630.18	653.78	313.40	340.38	1.921 Collision Risk Procedures Req.		
13,000.00	7,102.47	12,725.28	6,912.16	179.40	178.09	73.07	914.75	5,649.90	653.50	312.05	341.45	1.914 Collision Risk Procedures Req.		
13,079.65	7,102.61	12,801.89	6,910.74	181.78	180.39	72.90	915.49	5,726.49	652.48	306.86	345.61	1.888 Collision Risk Procedures Req.		
13,100.00	7,102.65	12,819.95	6,910.42	182.39	180.94	72.86	915.55	5,744.55	652.32	305.71	346.62	1.882 Collision Risk Procedures Req.		
13,132.96	7,102.71	12,849.21	6,909.99	183.38	181.82	72.81	915.49	5,773.80	652.23	303.98	348.25	1.873 Collision Risk Procedures Req.		
13,200.00	7,102.83	12,916.16	6,909.24	185.39	183.84	72.74	914.91	5,840.75	652.40	300.43	351.98	1.854 Collision Risk Procedures Req.		
13,279.31	7,102.97	12,998.90	6,908.09	187.77	186.33	72.61	914.82	5,923.48	652.09	295.62	356.47	1.829 Collision Risk Procedures Req.		
13,300.00	7,103.01	13,019.16	6,907.85	188.39	186.94	72.58	914.80	5,943.73	651.99	294.40	357.59	1.823 Collision Risk Procedures Req.		
13,379.61	7,103.15	13,101.81	6,907.06	190.77	189.43	72.48	914.68	6,026.38	651.62	289.49	362.12	1.799 Collision Risk Procedures Req.		
13,400.00	7,103.19	13,124.60	6,906.82	191.39	190.12	72.45	914.80	6,049.17	651.39	288.06	363.34	1.793 Collision Risk Procedures Req.		
13,480.52	7,103.33	13,208.77	6,905.61	193.80	192.65	72.29	915.89	6,133.33	650.01	282.22	367.79	1.767 Collision Risk Procedures Req.		
13,500.00	7,103.36	13,228.31	6,905.22	194.39	193.24	72.24	916.21	6,152.86	649.65	280.83	368.82	1.761 Collision Risk Procedures Req.		
13,579.38	7,103.51	13,299.84	6,903.45	196.77	195.40	72.03	917.18	6,224.36	648.52	275.90	372.63	1.740 Collision Risk Procedures Req.		
13,600.00	7,103.54	13,317.54	6,902.94	197.39	195.93	71.98	917.25	6,242.05	648.44	274.87	373.57	1.736 Collision Risk Procedures Req.		
13,622.72	7,103.58	13,337.04	6,902.36	198.07	196.52	71.92	917.24	6,261.54	648.46	273.86	374.59	1.731 Collision Risk Procedures Req.		
13,700.00	7,103.72	13,414.56	6,899.81	200.39	198.85	71.68	916.99	6,339.02	648.79	270.25	378.54	1.714 Collision Risk Procedures Req.		
13,780.00	7,103.87	13,506.23	6,897.34	202.79	201.61	71.43	917.33	6,430.65	648.49	265.38	383.11	1.693 Collision Risk Procedures Req.		
13,800.00	7,103.90	13,530.27	6,897.16	203.39	202.34	71.39	917.62	6,454.69	648.13	263.79	384.34	1.686 Collision Risk Procedures Req.		
13,880.92	7,104.05	13,613.03	6,896.78	205.83	204.83	71.28	919.00	6,537.44	646.25	257.44	388.81	1.662 Collision Risk Procedures Req.		
13,900.00	7,104.08	13,632.48	6,896.58	206.40	205.42	71.25	919.39	6,556.88	645.78	255.95	389.83	1.657 Collision Risk Procedures Req.		
13,981.58	7,104.23	13,720.28	6,894.77	208.85	208.05	70.98	921.91	6,644.62	643.37	249.28	394.10	1.633 Collision Risk Procedures Req.		
14,000.00	7,104.26	13,739.51	6,894.17	209.40	208.63	70.91	922.65	6,663.83	642.73	247.74	394.99	1.627 Collision Risk Procedures Req.		

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

Company:	NueVida Resources, LLC	Local Co-ordinate Reference:	Well Ardourel 33081718 #5HL - Slot 5
Project:	La Plata County, CO (NAD83)	TVD Reference:	GL 6719' & RKB 25' @ 6744.00ft
Reference Site:	33N 08W Sec 18	MD Reference:	GL 6719' & RKB 25' @ 6744.00ft
Site Error:	0.00 ft	North Reference:	Grid
Reference Well:	Ardourel 33081718 #5HL	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	Grand Junction
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design 33N 08W Sec 18 - Ardourel 33081718 #4HU - ST1 - ST1													Offset Site Error:	0.00 ft
Survey Program: 566-MWD+HDGM, 3109-MWD+HDGM													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,081.69	7,104.41	13,820.00	6,891.39	211.86	211.04	70.53	926.06	6,744.20	639.67	240.93	398.74	1.604	Collision Risk Procedures Req.	
14,100.00	7,104.44	13,838.96	6,890.67	212.41	211.61	70.44	926.88	6,763.13	638.99	239.41	399.57	1.599	Collision Risk Procedures Req.	
14,179.97	7,104.58	13,913.00	6,887.58	214.82	213.83	70.07	929.24	6,837.07	636.97	233.93	403.04	1.580	Collision Risk Procedures Req.	
14,200.00	7,104.62	13,923.77	6,887.11	215.42	214.15	70.02	929.46	6,847.82	636.66	232.97	403.69	1.577	Collision Risk Procedures Req.	
14,231.49	7,104.67	13,948.55	6,886.08	216.36	214.90	69.91	929.74	6,872.58	636.50	231.60	404.90	1.572	Collision Risk Procedures Req.	
14,300.00	7,104.80	14,008.00	6,883.94	218.42	216.69	69.72	929.17	6,931.99	637.31	229.50	407.81	1.563	Collision Risk Procedures Req.	
14,320.16	7,104.83	14,020.25	6,883.55	219.03	217.06	69.69	928.86	6,944.23	637.79	229.41	408.39	1.562	Collision Risk Procedures Req.	
14,400.00	7,104.98	14,094.36	6,881.19	221.43	219.30	69.53	926.57	7,018.26	640.28	228.17	412.11	1.554	Collision Risk Procedures Req.	
14,421.14	7,105.01	14,116.26	6,880.54	222.07	219.97	69.49	925.77	7,040.14	641.04	227.77	413.27	1.551	Collision Risk Procedures Req.	
14,500.00	7,105.15	14,202.83	6,879.97	224.44	222.59	69.51	922.58	7,126.65	643.24	224.93	418.31	1.538	Collision Risk Procedures Req.	
14,521.74	7,105.19	14,224.88	6,880.26	225.10	223.25	69.54	921.75	7,148.67	643.72	224.05	419.67	1.534	Collision Risk Procedures Req.	
14,600.00	7,105.33	14,305.21	6,882.05	227.45	225.68	69.76	918.53	7,228.92	645.36	220.55	424.81	1.519	Collision Risk Procedures Req.	
14,622.72	7,105.37	14,329.87	6,882.69	228.14	226.43	69.83	917.62	7,253.55	645.75	219.35	426.40	1.514	Collision Risk Procedures Req.	
14,700.00	7,105.51	14,413.24	6,884.53	230.46	228.95	70.02	915.20	7,336.87	646.59	214.94	431.65	1.498	Collision Avoidance Req.	
14,722.99	7,105.55	14,437.76	6,884.99	231.15	229.70	70.06	914.67	7,361.38	646.70	213.55	433.15	1.493	Collision Avoidance Req.	
14,800.00	7,105.69	14,511.23	6,886.16	233.47	231.92	70.16	913.30	7,434.83	646.96	209.33	437.63	1.478	Collision Avoidance Req.	
14,821.13	7,105.73	14,528.99	6,886.37	234.11	232.46	70.19	912.83	7,452.58	647.22	208.51	438.70	1.475	Collision Avoidance Req.	
14,900.00	7,105.87	14,600.35	6,886.97	236.49	234.62	70.29	910.17	7,523.89	649.04	206.05	442.99	1.465	Collision Avoidance Req.	
14,921.37	7,105.91	14,622.44	6,887.05	237.13	235.29	70.31	909.33	7,545.96	649.59	205.27	444.32	1.462	Collision Avoidance Req.	
15,000.00	7,106.05	14,702.95	6,886.96	239.50	237.73	70.34	906.60	7,626.42	651.43	202.39	449.03	1.441	Collision Avoidance Req.	
15,021.75	7,106.09	14,724.97	6,886.83	240.15	238.39	70.34	905.92	7,648.43	651.90	201.61	450.29	1.448	Collision Avoidance Req.	
15,100.00	7,106.23	14,807.60	6,886.30	242.51	240.90	70.33	903.62	7,731.03	653.44	198.44	455.00	1.436	Collision Avoidance Req.	
15,122.71	7,106.27	14,832.45	6,886.37	243.19	241.65	70.34	903.00	7,755.87	653.75	197.28	456.46	1.432	Collision Avoidance Req.	
15,200.00	7,106.41	14,912.35	6,887.09	245.52	244.07	70.42	901.24	7,835.74	654.42	193.19	461.23	1.419	Collision Avoidance Req.	
15,223.12	7,106.45	14,935.67	6,887.24	246.22	244.77	70.44	900.78	7,859.06	654.60	191.99	462.61	1.415	Collision Avoidance Req.	
15,300.00	7,106.59	15,017.71	6,887.46	248.54	247.25	70.45	899.56	7,941.09	654.92	187.60	467.32	1.401	Collision Avoidance Req.	
15,377.11	7,106.72	15,094.57	6,887.35	250.86	249.58	70.43	899.03	8,017.95	654.78	183.14	471.64	1.388	Collision Avoidance Req.	
15,400.00	7,106.77	15,116.39	6,887.38	251.55	250.24	70.43	898.79	8,039.77	654.80	181.90	472.89	1.385	Collision Avoidance Req.	
15,423.18	7,106.81	15,140.00	6,887.46	252.25	250.95	70.43	898.48	8,063.38	654.86	180.60	474.26	1.381	Collision Avoidance Req.	
15,500.00	7,106.94	15,217.08	6,887.84	254.57	253.29	70.46	897.45	8,140.45	655.01	176.27	478.74	1.368	Collision Avoidance Req.	
15,579.21	7,107.09	15,299.21	6,888.40	256.95	255.77	70.49	896.61	8,222.57	654.89	171.39	483.51	1.354	Collision Avoidance Req.	
15,600.00	7,107.12	15,320.82	6,888.56	257.58	256.43	70.50	896.45	8,244.18	654.80	170.04	484.76	1.351	Collision Avoidance Req.	
15,680.09	7,107.27	15,407.25	6,889.10	260.00	259.04	70.51	896.34	8,330.61	654.02	164.39	489.63	1.336	Collision Avoidance Req.	
15,700.00	7,107.30	15,428.35	6,889.19	260.60	259.68	70.50	896.47	8,351.71	653.70	162.90	490.80	1.332	Collision Avoidance Req.	
15,780.28	7,107.45	15,508.47	6,889.40	263.02	262.10	70.47	897.04	8,431.82	652.37	157.09	495.28	1.317	Collision Avoidance Req.	
15,800.00	7,107.48	15,529.46	6,889.43	263.61	262.73	70.46	897.21	8,452.82	652.04	155.62	496.41	1.313	Collision Avoidance Req.	
15,881.31	7,107.63	15,619.17	6,889.41	266.07	265.43	70.37	898.79	8,542.51	649.96	148.91	501.05	1.297	Collision Avoidance Req.	
15,900.00	7,107.66	15,637.53	6,889.42	266.63	265.99	70.35	899.22	8,560.86	649.38	147.33	502.05	1.293	Collision Avoidance Req.	
15,981.19	7,107.81	15,717.37	6,889.84	269.08	268.40	70.30	900.84	8,640.69	646.97	140.47	506.50	1.277	Collision Avoidance Req.	
16,000.00	7,107.84	15,736.03	6,889.99	269.65	268.96	70.29	901.17	8,659.34	646.43	138.88	507.55	1.274	Collision Avoidance Req.	
16,080.79	7,107.98	15,813.91	6,890.67	272.08	271.31	70.28	902.49	8,737.21	644.19	132.17	512.02	1.258	Collision Avoidance Req.	
16,100.00	7,108.02	15,830.32	6,890.85	272.66	271.80	70.28	902.65	8,753.62	643.77	130.74	513.03	1.255	Collision Avoidance Req.	
16,179.26	7,108.16	15,898.77	6,891.91	275.06	273.87	70.34	902.41	8,822.06	642.91	125.60	517.31	1.243	Collision Avoidance Req.	
16,200.00	7,108.20	15,919.80	6,892.29	275.68	274.51	70.37	902.15	8,843.09	642.85	124.25	518.60	1.240	Collision Avoidance Req.	
16,288.64	7,108.36	16,006.27	6,893.54	278.36	277.13	70.47	901.23	8,929.54	642.52	118.67	523.85	1.227	Collision Avoidance Req.	
16,300.00	7,108.38	16,015.98	6,893.66	278.70	277.42	70.48	901.08	8,939.24	642.53	118.08	524.45	1.225	Collision Avoidance Req.	
16,321.73	7,108.42	16,034.54	6,893.88	279.36	277.98	70.50	900.73	8,957.80	642.64	117.06	525.59	1.223	Collision Avoidance Req.	
16,400.00	7,108.56	16,104.34	6,894.63	281.72	280.10	70.59	898.62	9,027.56	643.88	114.04	529.84	1.215	Collision Avoidance Req.	
16,421.53	7,108.59	16,125.66	6,894.82	282.37	280.75	70.62	897.88	9,048.87	644.32	113.18	531.14	1.213	Collision Avoidance Req.	
16,500.00	7,108.73	16,205.06	6,895.30	284.74	283.15	70.71	895.18	9,128.22	645.98	110.01	535.97	1.205	Collision Avoidance Req.	
16,522.30	7,108.77	16,228.62	6,895.41	285.41	283.87	70.72	894.46	9,151.78	646.40	109.00	537.39	1.203	Collision Avoidance Req.	
16,600.00	7,108.91	16,311.58	6,895.63	287.76	286.38	70.77	892.38	9,234.71	647.47	105.17	542.31	1.194	Collision Avoidance Req.	

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

Company:	NueVida Resources, LLC	Local Co-ordinate Reference:	Well Ardourel 33081718 #5HL - Slot 5
Project:	La Plata County, CO (NAD83)	TVD Reference:	GL 6719' & RKB 25' @ 6744.00ft
Reference Site:	33N 08W Sec 18	MD Reference:	GL 6719' & RKB 25' @ 6744.00ft
Site Error:	0.00 ft	North Reference:	Grid
Reference Well:	Ardourel 33081718 #5HL	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	Grand Junction
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design 33N 08W Sec 18 - Ardourel 33081718 #4HU - ST1 - ST1												Offset Site Error:	0.00 ft
Survey Program: 566-MWD+HDGM, 3109-MWD+HDGM												Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
16,623.09	7,108.96	16,336.53	6,895.59	288.45	287.14	70.77	891.95	9,259.65	647.66	103.93	543.73	1.191	Collision Avoidance Req.
16,700.00	7,109.09	16,416.22	6,895.10	290.78	289.55	70.72	891.07	9,339.34	647.93	99.80	548.13	1.182	Collision Avoidance Req.
16,778.92	7,109.23	16,497.44	6,894.44	293.16	292.01	70.64	890.44	9,420.55	648.02	95.48	552.53	1.173	Collision Avoidance Req.
16,800.00	7,109.27	16,519.65	6,894.19	293.80	292.68	70.61	890.37	9,442.76	647.97	94.27	553.70	1.170	Collision Avoidance Req.
16,879.90	7,109.41	16,606.49	6,892.77	296.21	295.30	70.45	890.74	9,529.59	647.38	89.35	558.02	1.160	Collision Avoidance Req.
16,900.00	7,109.45	16,628.83	6,892.27	296.82	295.98	70.38	891.07	9,551.92	647.07	88.02	559.05	1.157	Collision Avoidance Req.
16,980.68	7,109.60	16,713.78	6,889.83	299.25	298.54	70.08	893.07	9,636.81	645.35	82.57	562.78	1.147	Collision Avoidance Req.
17,000.00	7,109.63	16,733.75	6,889.13	299.84	299.14	70.00	893.64	9,656.76	644.88	81.27	563.61	1.144	Collision Avoidance Req.
17,081.36	7,109.78	16,821.55	6,885.59	302.29	301.77	69.56	896.85	9,744.42	642.50	75.62	566.89	1.133	Collision Avoidance Req.
17,100.00	7,109.81	16,841.78	6,884.68	302.86	302.38	69.45	897.77	9,764.61	641.84	74.26	567.58	1.131	Collision Avoidance Req.
17,182.03	7,109.96	16,929.04	6,880.84	305.33	304.99	68.94	902.22	9,851.68	638.49	68.00	570.49	1.119	Collision Avoidance Req.
17,200.00	7,109.99	16,948.13	6,880.03	305.88	305.56	68.83	903.29	9,870.72	637.66	66.56	571.11	1.117	Collision Avoidance Req.
17,282.34	7,110.14	17,032.95	6,876.33	308.36	308.10	68.31	908.45	9,955.30	633.59	59.76	573.83	1.104	Collision Avoidance Req.
17,300.00	7,110.17	17,050.54	6,875.56	308.90	308.62	68.20	909.54	9,972.85	632.70	58.30	574.40	1.101	Collision Avoidance Req.
17,322.97	7,110.21	17,073.43	6,874.55	309.59	309.31	68.06	910.96	9,995.66	631.55	56.40	575.14	1.098	Collision Avoidance Req.
17,327.87	7,110.22	17,078.31	6,874.33	309.74	309.45	68.02	911.27	10,000.54	631.30	56.00	575.30	1.097	Collision Avoidance Req., SF

Company:	NueVida Resources, LLC	Local Co-ordinate Reference:	Well Ardourel 33081718 #5HL - Slot 5
Project:	La Plata County, CO (NAD83)	TVD Reference:	GL 6719' & RKB 25' @ 6744.00ft
Reference Site:	33N 08W Sec 18	MD Reference:	GL 6719' & RKB 25' @ 6744.00ft
Site Error:	0.00 ft	North Reference:	Grid
Reference Well:	Ardourel 33081718 #5HL	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	Grand Junction
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design 33N 08W Sec 18 - Ardourel 33081718 #6HU - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+HDGM													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	-7.18	19.84	-2.50	20.00					
100.00	100.00	100.00	100.00	0.27	0.27	-7.18	19.84	-2.50	20.00	19.46	0.54	37.189		
200.00	200.00	200.00	200.00	0.63	0.63	-7.18	19.84	-2.50	20.00	18.74	1.25	15.938		
300.00	300.00	300.00	300.00	0.99	0.99	-7.18	19.84	-2.50	20.00	18.03	1.97	10.143		
400.00	400.00	400.00	400.00	1.34	1.34	-7.18	19.84	-2.50	20.00	17.31	2.69	7.438		
500.00	500.00	500.00	500.00	1.70	1.70	-7.18	19.84	-2.50	20.00	16.59	3.41	5.872		
577.20	577.19	576.66	576.65	1.98	1.98	7.27	20.85	-2.68	20.00	16.04	3.96	5.053		
600.00	599.98	599.31	599.29	2.06	2.06	7.42	21.54	-2.80	20.00	15.88	4.12	4.855		
602.45	602.43	601.74	601.72	2.07	2.07	7.44	21.62	-2.81	20.00	15.86	4.14	4.834 CC		
700.00	699.84	698.61	698.46	2.42	2.42	8.54	26.62	-3.69	20.00	15.17	4.83	4.142		
800.00	799.45	797.92	797.39	2.79	2.78	10.40	35.08	-5.17	20.02	14.49	5.54	3.617		
900.00	898.70	897.23	895.96	3.15	3.14	12.98	46.92	-7.25	20.09	13.85	6.24	3.220		
1,000.00	997.47	996.53	994.05	3.53	3.52	16.26	62.12	-9.91	20.24	13.29	6.95	2.914		
1,100.00	1,095.62	1,095.84	1,091.55	3.92	3.91	20.19	80.65	-13.16	20.51	12.85	7.66	2.677		
1,200.00	1,193.06	1,195.14	1,188.34	4.34	4.32	24.66	102.51	-16.98	20.94	12.55	8.39	2.496 ES		
1,300.00	1,289.79	1,294.44	1,284.30	4.78	4.75	28.85	127.65	-21.39	22.08	12.93	9.15	2.413		
1,400.00	1,386.44	1,393.61	1,379.19	5.23	5.21	29.41	156.01	-26.36	26.12	16.22	9.90	2.638		
1,500.00	1,483.08	1,492.41	1,472.68	5.69	5.70	27.26	187.47	-31.87	33.31	22.68	10.63	3.133		
1,600.00	1,579.73	1,591.12	1,565.01	6.16	6.22	24.31	221.85	-37.90	43.53	32.17	11.36	3.831		
1,700.00	1,676.38	1,690.50	1,657.72	6.63	6.76	22.23	257.12	-44.08	54.50	42.35	12.15	4.485		
1,800.00	1,773.03	1,789.88	1,750.42	7.11	7.31	20.85	292.39	-50.26	65.51	52.56	12.95	5.059		
1,900.00	1,869.68	1,889.26	1,843.13	7.59	7.88	19.86	327.66	-56.44	76.55	62.79	13.76	5.565		
2,000.00	1,966.32	1,988.65	1,935.84	8.07	8.45	19.13	362.92	-62.62	87.61	73.04	14.57	6.013		
2,100.00	2,062.97	2,088.03	2,028.54	8.56	9.03	18.56	398.19	-68.80	98.67	83.29	15.39	6.412		
2,200.00	2,159.62	2,187.41	2,121.25	9.05	9.61	18.10	433.46	-74.98	109.75	93.54	16.21	6.770		
2,300.00	2,256.27	2,286.79	2,213.96	9.54	10.20	17.73	468.73	-81.16	120.83	103.80	17.04	7.093		
2,400.00	2,352.92	2,386.17	2,306.67	10.03	10.79	17.42	504.00	-87.34	131.92	114.05	17.86	7.384		
2,500.00	2,449.56	2,485.55	2,399.37	10.53	11.38	17.16	539.27	-93.51	143.01	124.31	18.70	7.649		
2,600.00	2,546.21	2,584.93	2,492.08	11.02	11.98	16.94	574.54	-99.69	154.10	134.57	19.53	7.891		
2,700.00	2,642.86	2,684.31	2,584.79	11.52	12.58	16.74	609.80	-105.87	165.19	144.83	20.36	8.112		
2,800.00	2,739.51	2,783.70	2,677.49	12.02	13.18	16.58	645.07	-112.05	176.29	155.09	21.20	8.316		
2,900.00	2,836.16	2,883.08	2,770.20	12.51	13.78	16.43	680.34	-118.23	187.38	165.35	22.04	8.504		
3,000.00	2,932.80	2,982.46	2,862.91	13.01	14.38	16.29	715.61	-124.41	198.48	175.60	22.87	8.677		
3,100.00	3,029.45	3,081.84	2,955.61	13.51	14.99	16.17	750.88	-130.59	209.58	185.86	23.71	8.838		
3,200.00	3,126.10	3,181.22	3,048.32	14.01	15.59	16.07	786.15	-136.77	220.68	196.12	24.55	8.987		
3,300.00	3,222.75	3,280.60	3,141.03	14.51	16.20	15.97	821.41	-142.95	231.78	206.38	25.40	9.127		
3,400.00	3,319.40	3,379.98	3,233.74	15.01	16.81	15.88	856.68	-149.13	242.88	216.64	26.24	9.257		
3,500.00	3,416.05	3,479.37	3,326.44	15.51	17.42	15.80	891.95	-155.31	253.98	226.90	27.08	9.379		
3,600.00	3,512.69	3,578.75	3,419.15	16.01	18.03	15.73	927.22	-161.49	265.08	237.16	27.92	9.493		
3,700.00	3,609.34	3,678.13	3,511.86	16.51	18.64	15.66	962.49	-167.67	276.18	247.41	28.77	9.600		
3,800.00	3,705.99	3,777.51	3,604.56	17.02	19.25	15.60	997.76	-173.85	287.28	257.67	29.61	9.702		
3,900.00	3,802.64	3,876.89	3,697.27	17.52	19.86	15.54	1,033.03	-180.03	298.39	267.93	30.46	9.797		
4,000.00	3,899.29	3,976.27	3,789.98	18.02	20.47	15.49	1,068.29	-186.21	309.49	278.19	31.30	9.887		
4,100.00	3,995.93	4,075.65	3,882.68	18.52	21.08	15.44	1,103.56	-192.39	320.59	288.44	32.15	9.972		
4,200.00	4,092.58	4,175.03	3,975.39	19.03	21.69	15.39	1,138.83	-198.57	331.69	298.70	32.99	10.053		
4,300.00	4,189.23	4,274.42	4,068.10	19.53	22.31	15.35	1,174.10	-204.75	342.80	308.96	33.84	10.130		
4,400.00	4,285.88	4,373.80	4,160.81	20.03	22.92	15.31	1,209.37	-210.93	353.90	319.21	34.69	10.203		
4,500.00	4,382.53	4,473.18	4,253.51	20.54	23.53	15.27	1,244.64	-217.11	365.00	329.47	35.53	10.272		
4,600.00	4,479.17	4,572.56	4,346.22	21.04	24.15	15.24	1,279.91	-223.29	376.11	339.73	36.38	10.338		
4,700.00	4,575.82	4,671.94	4,438.93	21.54	24.76	15.20	1,315.17	-229.47	387.21	349.98	37.23	10.401		
4,800.00	4,672.47	4,771.32	4,531.63	22.05	25.38	15.17	1,350.44	-235.65	398.32	360.24	38.08	10.461		
4,900.00	4,769.12	4,870.70	4,624.34	22.55	25.99	15.14	1,385.71	-241.83	409.42	370.50	38.93	10.518		

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

Company:	NueVida Resources, LLC	Local Co-ordinate Reference:	Well Ardourel 33081718 #5HL - Slot 5
Project:	La Plata County, CO (NAD83)	TVD Reference:	GL 6719' & RKB 25' @ 6744.00ft
Reference Site:	33N 08W Sec 18	MD Reference:	GL 6719' & RKB 25' @ 6744.00ft
Site Error:	0.00 ft	North Reference:	Grid
Reference Well:	Ardourel 33081718 #5HL	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	Grand Junction
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design 33N 08W Sec 18 - Ardourel 33081718 #6HU - OH - Plan #1												Offset Site Error:	0.00 ft
Survey Program: 0-MWD+HDMG												Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
5,000.00	4,865.77	4,970.09	4,717.05	23.06	26.60	15.11	1,420.98	-248.01	420.52	380.75	39.77	10.573	
5,100.00	4,962.41	5,069.47	4,809.75	23.56	27.22	15.09	1,456.25	-254.19	431.63	391.01	40.62	10.626	
5,200.00	5,059.06	5,168.85	4,902.46	24.06	27.83	15.06	1,491.52	-260.37	442.73	401.26	41.47	10.676	
5,300.00	5,155.71	5,268.23	4,995.17	24.57	28.45	15.03	1,526.79	-266.55	453.84	411.52	42.32	10.724	
5,400.00	5,252.36	5,367.61	5,087.88	25.07	29.06	15.01	1,562.05	-272.73	464.94	421.77	43.17	10.770	
5,500.00	5,349.01	5,466.99	5,180.58	25.58	29.68	14.99	1,597.32	-278.91	476.05	432.03	44.02	10.815	
5,600.00	5,445.65	5,566.37	5,273.29	26.08	30.30	14.97	1,632.59	-285.09	487.15	442.29	44.87	10.858	
5,700.00	5,542.30	5,665.76	5,366.00	26.59	30.91	14.95	1,667.86	-291.27	498.26	452.54	45.72	10.899	
5,800.00	5,638.95	5,765.14	5,458.70	27.09	31.53	14.93	1,703.13	-297.45	509.36	462.80	46.57	10.939	
5,900.00	5,735.60	5,864.52	5,551.41	27.60	32.14	14.91	1,738.40	-303.63	520.47	473.05	47.42	10.977	
6,000.00	5,832.25	5,963.90	5,644.12	28.10	32.76	14.89	1,773.67	-309.81	531.57	483.31	48.27	11.014	
6,100.00	5,928.89	6,063.28	5,736.82	28.61	33.38	14.87	1,808.93	-315.99	542.68	493.56	49.11	11.049	
6,200.00	6,025.54	6,162.66	5,829.53	29.11	33.99	14.86	1,844.20	-322.17	553.78	503.82	49.96	11.083	
6,300.00	6,122.19	6,262.04	5,922.24	29.62	34.61	14.84	1,879.47	-328.35	564.89	514.07	50.82	11.117	
6,400.00	6,218.84	6,361.42	6,014.95	30.12	35.23	14.83	1,914.74	-334.53	575.99	524.33	51.67	11.149	
6,500.00	6,315.49	6,460.81	6,107.65	30.63	35.84	14.81	1,950.01	-340.71	587.10	534.58	52.52	11.179	
6,600.00	6,412.23	6,559.95	6,200.15	31.12	36.46	-3.40	1,985.20	-346.68	598.18	544.86	53.33	11.217	
6,700.00	6,508.63	6,658.61	6,292.28	31.57	37.03	-30.49	2,020.15	-343.71	609.23	555.19	54.04	11.274	
6,800.00	6,602.90	6,758.16	6,384.00	31.95	37.54	-47.50	2,054.82	-327.03	620.11	565.39	54.72	11.333	
6,900.00	6,693.21	6,858.66	6,473.56	32.27	37.98	-57.21	2,088.53	-296.58	630.60	575.21	55.39	11.384	
7,000.00	6,777.80	6,960.17	6,559.11	32.53	38.36	-63.00	2,120.59	-252.54	640.51	584.41	56.10	11.417	
7,100.00	6,855.02	7,062.69	6,638.79	32.75	38.67	-66.66	2,150.28	-195.42	649.63	592.74	56.89	11.418	
7,200.00	6,923.38	7,166.22	6,710.72	32.92	38.92	-69.08	2,176.92	-126.02	657.77	599.93	57.84	11.372	
7,300.00	6,981.53	7,270.71	6,773.12	33.04	39.13	-70.73	2,199.82	-45.51	664.76	605.73	59.03	11.261	
7,400.00	7,028.35	7,376.07	6,824.32	33.13	39.28	-71.85	2,218.37	44.58	670.44	609.88	60.56	11.070	
7,500.00	7,062.93	7,482.18	6,862.86	33.19	39.39	-72.60	2,232.04	142.38	674.69	612.18	62.51	10.793	
7,519.04	7,068.06	7,502.46	6,868.67	33.20	39.41	-72.71	2,234.05	161.70	675.33	612.39	62.94	10.729	
7,600.00	7,084.59	7,588.88	6,887.61	33.27	39.48	-73.07	2,240.41	245.73	677.42	612.52	64.90	10.438	
7,621.44	7,087.50	7,611.81	6,891.03	33.30	39.50	-73.13	2,241.49	268.38	677.79	612.31	65.48	10.351	
7,700.00	7,092.91	7,695.97	6,897.76	33.56	39.57	-73.29	2,243.22	352.20	678.55	610.86	67.69	10.025	
7,723.18	7,093.24	7,720.48	6,898.00	33.72	39.59	-73.28	2,243.07	376.71	678.59	610.20	68.39	9.922	
7,800.00	7,093.16	7,797.30	6,897.96	34.62	39.70	-73.28	2,242.29	453.52	678.63	607.88	70.76	9.591	
7,823.24	7,093.20	7,820.54	6,897.94	34.98	39.75	-73.28	2,242.06	476.76	678.65	607.11	71.54	9.486	
7,900.00	7,093.34	7,897.30	6,897.90	36.29	40.01	-73.26	2,241.28	553.51	678.70	604.56	74.14	9.154	
7,923.24	7,093.38	7,920.54	6,897.89	36.73	40.13	-73.26	2,241.05	576.76	678.72	603.72	75.00	9.050	
8,000.00	7,093.52	7,997.30	6,897.85	38.21	40.70	-73.25	2,240.27	653.51	678.77	600.95	77.82	8.722	
8,023.24	7,093.56	8,020.54	6,897.84	38.69	40.95	-73.24	2,240.04	676.75	678.78	600.05	78.73	8.622	
8,100.00	7,093.70	8,097.29	6,897.80	40.28	42.00	-73.23	2,239.26	753.50	678.83	597.09	81.75	8.304	
8,123.24	7,093.74	8,120.54	6,897.79	40.79	42.39	-73.22	2,239.03	776.74	678.85	596.14	82.71	8.208	
8,200.00	7,093.88	8,197.29	6,897.75	42.48	43.80	-73.21	2,238.26	853.50	678.90	593.01	85.89	7.904	
8,223.24	7,093.92	8,220.54	6,897.73	43.01	44.27	-73.20	2,238.02	876.74	678.92	592.02	86.89	7.813	
8,300.00	7,094.06	8,297.29	6,897.69	44.78	45.88	-73.19	2,237.25	953.49	678.97	588.75	90.22	7.526	
8,323.24	7,094.10	8,320.54	6,897.68	45.33	46.39	-73.19	2,237.01	976.73	678.98	587.73	91.26	7.440	
8,400.00	7,094.23	8,397.29	6,897.64	47.16	48.12	-73.17	2,236.24	1,053.49	679.04	584.33	94.71	7.170	
8,423.24	7,094.28	8,420.54	6,897.63	47.73	48.66	-73.17	2,236.00	1,076.73	679.05	583.27	95.78	7.090	
8,500.00	7,094.41	8,497.29	6,897.59	49.61	50.47	-73.15	2,235.23	1,153.48	679.10	579.77	99.33	6.837	
8,523.24	7,094.46	8,520.54	6,897.58	50.20	51.03	-73.15	2,235.00	1,176.72	679.12	578.69	100.43	6.762	
8,600.00	7,094.59	8,597.29	6,897.54	52.13	52.90	-73.13	2,234.22	1,253.48	679.17	575.09	104.08	6.526	
8,623.24	7,094.63	8,620.54	6,897.52	52.72	53.48	-73.13	2,233.99	1,276.72	679.19	573.98	105.20	6.456	
8,700.00	7,094.77	8,697.29	6,897.48	54.69	55.41	-73.11	2,233.21	1,353.47	679.24	570.31	108.93	6.236	
8,723.24	7,094.81	8,720.54	6,897.47	55.30	56.00	-73.11	2,232.98	1,376.71	679.25	569.18	110.07	6.171	
8,800.00	7,094.95	8,797.29	6,897.43	57.31	57.97	-73.10	2,232.20	1,453.47	679.30	565.44	113.87	5.966	

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

Company:	NueVida Resources, LLC	Local Co-ordinate Reference:	Well Ardourel 33081718 #5HL - Slot 5
Project:	La Plata County, CO (NAD83)	TVD Reference:	GL 6719' & RKB 25' @ 6744.00ft
Reference Site:	33N 08W Sec 18	MD Reference:	GL 6719' & RKB 25' @ 6744.00ft
Site Error:	0.00 ft	North Reference:	Grid
Reference Well:	Ardourel 33081718 #5HL	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	Grand Junction
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design 33N 08W Sec 18 - Ardourel 33081718 #6HU - OH - Plan #1													Offset Site Error: 0.00 ft	
Survey Program: 0-MWD+HDGM													Offset Well Error: 0.00 ft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Minimum Separation	Separation Factor			
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
8,823.24	7,094.99	8,820.54	6,897.42	57.92	58.57	-73.09	2,231.97	1,476.71	679.32	564.29	115.03	5.905		
8,900.00	7,095.13	8,897.29	6,897.38	59.96	60.57	-73.08	2,231.20	1,553.46	679.37	560.49	118.89	5.715		
8,923.24	7,095.17	8,920.53	6,897.37	60.58	61.19	-73.07	2,230.96	1,576.70	679.39	559.32	120.07	5.658		
9,000.00	7,095.31	8,997.29	6,897.33	62.64	63.22	-73.06	2,230.19	1,653.46	679.44	555.47	123.97	5.481		
9,023.24	7,095.35	9,020.53	6,897.31	63.27	63.84	-73.05	2,229.95	1,676.70	679.46	554.29	125.17	5.428		
9,100.00	7,095.49	9,097.29	6,897.27	65.36	65.90	-73.04	2,229.18	1,753.45	679.51	550.39	129.12	5.263		
9,123.24	7,095.53	9,120.53	6,897.26	66.00	66.53	-73.04	2,228.94	1,776.69	679.52	549.19	130.33	5.214		
9,200.00	7,095.67	9,197.29	6,897.22	68.10	68.61	-73.02	2,228.17	1,853.44	679.57	545.25	134.32	5.059		
9,223.24	7,095.71	9,220.53	6,897.21	68.74	69.24	-73.02	2,227.94	1,876.69	679.59	544.05	135.54	5.014		
9,300.00	7,095.85	9,297.29	6,897.17	70.87	71.35	-73.00	2,227.16	1,953.44	679.64	540.07	139.57	4.869		
9,323.24	7,095.89	9,320.53	6,897.16	71.52	71.99	-73.00	2,226.93	1,976.68	679.66	538.85	140.80	4.827		
9,400.00	7,096.02	9,397.29	6,897.11	73.65	74.11	-72.98	2,226.15	2,053.43	679.71	534.84	144.87	4.692		
9,423.24	7,096.07	9,420.53	6,897.10	74.31	74.75	-72.98	2,225.92	2,076.68	679.73	533.62	146.10	4.652		
9,500.00	7,096.20	9,497.29	6,897.06	76.46	76.89	-72.97	2,225.14	2,153.43	679.78	529.58	150.20	4.526		
9,523.24	7,096.25	9,520.53	6,897.05	77.12	77.54	-72.96	2,224.91	2,176.67	679.79	528.35	151.44	4.489		
9,600.00	7,096.38	9,597.29	6,897.01	79.28	79.69	-72.95	2,224.13	2,253.42	679.85	524.29	155.56	4.370		
9,623.24	7,096.42	9,620.53	6,897.00	79.94	80.34	-72.94	2,223.90	2,276.66	679.86	523.05	156.81	4.336		
9,700.00	7,096.56	9,697.29	6,896.96	82.12	82.51	-72.93	2,223.13	2,353.42	679.91	518.96	160.95	4.224		
9,723.24	7,096.60	9,720.53	6,896.94	82.78	83.16	-72.92	2,222.89	2,376.66	679.93	517.72	162.21	4.192		
9,800.00	7,096.74	9,797.29	6,896.90	84.97	85.34	-72.91	2,222.12	2,453.41	679.98	513.61	166.37	4.087		
9,823.24	7,096.78	9,820.53	6,896.89	85.64	86.00	-72.90	2,221.88	2,476.65	680.00	512.36	167.64	4.056		
9,900.00	7,096.92	9,897.29	6,896.85	87.83	88.18	-72.89	2,221.11	2,553.41	680.05	508.23	171.82	3.958		
9,923.24	7,096.96	9,920.53	6,896.84	88.50	88.85	-72.89	2,220.87	2,576.65	680.07	506.98	173.09	3.929		
10,000.00	7,097.10	9,997.29	6,896.80	90.71	91.04	-72.87	2,220.10	2,653.40	680.12	502.83	177.29	3.836		
10,023.24	7,097.14	10,020.53	6,896.79	91.38	91.71	-72.87	2,219.87	2,676.64	680.13	501.57	178.56	3.809		
10,100.00	7,097.28	10,097.29	6,896.75	93.59	93.91	-72.85	2,219.09	2,753.40	680.19	497.41	182.77	3.721		
10,123.24	7,097.32	10,120.53	6,896.73	94.27	94.58	-72.85	2,218.86	2,776.64	680.20	496.15	184.05	3.696		
10,200.00	7,097.46	10,197.29	6,896.69	96.49	96.79	-72.83	2,218.08	2,853.39	680.25	491.97	188.28	3.613		
10,223.24	7,097.50	10,220.53	6,896.68	97.16	97.46	-72.83	2,217.85	2,876.63	680.27	490.71	189.56	3.589		
10,300.00	7,097.64	10,297.29	6,896.64	99.39	99.68	-72.82	2,217.07	2,953.39	680.32	486.52	193.80	3.510		
10,323.24	7,097.68	10,320.53	6,896.63	100.06	100.35	-72.81	2,216.84	2,976.63	680.34	485.25	195.09	3.487		
10,400.00	7,097.81	10,397.29	6,896.59	102.30	102.57	-72.80	2,216.07	3,053.38	680.39	481.05	199.34	3.413		
10,423.24	7,097.86	10,420.53	6,896.58	102.98	103.25	-72.79	2,215.83	3,076.62	680.41	479.78	200.63	3.391		
10,500.00	7,097.99	10,497.29	6,896.54	105.21	105.48	-72.78	2,215.06	3,153.38	680.46	475.57	204.89	3.321		
10,523.24	7,098.04	10,520.53	6,896.52	105.89	106.15	-72.77	2,214.82	3,176.62	680.48	474.29	206.18	3.300		
10,600.00	7,098.17	10,597.29	6,896.48	108.14	108.39	-72.76	2,214.05	3,253.37	680.53	470.07	210.45	3.234		
10,623.24	7,098.21	10,620.53	6,896.47	108.82	109.07	-72.76	2,213.81	3,276.61	680.54	468.80	211.75	3.214		
10,700.00	7,098.35	10,697.29	6,896.43	111.07	111.31	-72.74	2,213.04	3,353.36	680.60	464.57	216.03	3.150		
10,723.24	7,098.39	10,720.53	6,896.42	111.75	111.99	-72.74	2,212.81	3,376.61	680.61	463.29	217.33	3.132		
10,800.00	7,098.53	10,797.29	6,896.38	114.00	114.23	-72.72	2,212.03	3,453.36	680.67	459.05	221.61	3.071		
10,823.24	7,098.57	10,820.53	6,896.37	114.68	114.91	-72.72	2,211.80	3,476.60	680.68	457.77	222.91	3.054		
10,900.00	7,098.71	10,897.29	6,896.33	116.94	117.16	-72.70	2,211.02	3,553.35	680.74	453.53	227.21	2.996		
10,923.24	7,098.75	10,920.53	6,896.31	117.62	117.84	-72.70	2,210.79	3,576.59	680.75	452.24	228.51	2.979		
11,000.00	7,098.89	10,997.29	6,896.27	119.88	120.09	-72.69	2,210.01	3,653.35	680.80	447.99	232.81	2.924		
11,023.24	7,098.93	11,020.53	6,896.26	120.57	120.78	-72.68	2,209.78	3,676.59	680.82	446.70	234.12	2.908		
11,100.00	7,099.07	11,097.29	6,896.22	122.83	123.03	-72.67	2,209.00	3,753.34	680.87	442.45	238.43	2.856		
11,123.24	7,099.11	11,120.53	6,896.21	123.52	123.72	-72.66	2,208.77	3,776.58	680.89	441.16	239.73	2.840		
11,200.00	7,099.25	11,197.29	6,896.17	125.78	125.98	-72.65	2,208.00	3,853.34	680.94	436.90	244.05	2.790		
11,223.24	7,099.29	11,220.53	6,896.15	126.47	126.66	-72.64	2,207.76	3,876.58	680.96	435.60	245.35	2.775		
11,300.00	7,099.43	11,297.29	6,896.11	128.74	128.93	-72.63	2,206.99	3,953.33	681.01	431.34	249.67	2.728		
11,323.24	7,099.47	11,320.53	6,896.10	129.43	129.61	-72.63	2,206.75	3,976.57	681.03	430.05	250.98	2.713		
11,400.00	7,099.61	11,397.29	6,896.06	131.70	131.88	-72.61	2,205.98	4,053.33	681.08	425.77	255.31	2.668		

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

Company:	NueVida Resources, LLC	Local Co-ordinate Reference:	Well Ardourel 33081718 #5HL - Slot 5
Project:	La Plata County, CO (NAD83)	TVD Reference:	GL 6719' & RKB 25' @ 6744.00ft
Reference Site:	33N 08W Sec 18	MD Reference:	GL 6719' & RKB 25' @ 6744.00ft
Site Error:	0.00 ft	North Reference:	Grid
Reference Well:	Ardourel 33081718 #5HL	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	Grand Junction
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design 33N 08W Sec 18 - Ardourel 33081718 #6HU - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+HDGM													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
11,423.24	7,099.65	11,420.53	6,896.05	132.39	132.56	-72.61	2,205.74	4,076.57	681.10	424.48	256.62	2.654		
11,500.00	7,099.78	11,497.29	6,896.01	134.66	134.83	-72.59	2,204.97	4,153.32	681.15	420.20	260.95	2.610		
11,523.24	7,099.83	11,520.53	6,896.00	135.35	135.52	-72.59	2,204.74	4,176.56	681.17	418.91	262.26	2.597		
11,600.00	7,099.96	11,597.29	6,895.96	137.63	137.79	-72.57	2,203.96	4,253.32	681.22	414.63	266.59	2.555		
11,623.24	7,100.00	11,620.53	6,895.94	138.32	138.48	-72.57	2,203.73	4,276.56	681.24	413.33	267.90	2.543		
11,700.00	7,100.14	11,697.29	6,895.90	140.60	140.75	-72.56	2,202.95	4,353.31	681.29	409.05	272.24	2.503		
11,723.24	7,100.18	11,720.53	6,895.89	141.29	141.44	-72.55	2,202.72	4,376.55	681.30	407.75	273.55	2.491		
11,800.00	7,100.32	11,797.29	6,895.85	143.57	143.72	-72.54	2,201.94	4,453.31	681.36	403.46	277.89	2.452		
11,823.24	7,100.36	11,820.53	6,895.84	144.26	144.41	-72.53	2,201.71	4,476.55	681.37	402.16	279.21	2.440		
11,900.00	7,100.50	11,897.28	6,895.80	146.55	146.69	-72.52	2,200.94	4,553.30	681.43	397.87	283.55	2.403		
11,923.24	7,100.54	11,920.53	6,895.79	147.24	147.38	-72.51	2,200.70	4,576.54	681.44	396.57	284.87	2.392		
12,000.00	7,100.68	11,997.28	6,895.75	149.52	149.66	-72.50	2,199.93	4,653.29	681.50	392.28	289.22	2.356		
12,023.24	7,100.72	12,020.53	6,895.73	150.21	150.35	-72.50	2,199.69	4,676.54	681.51	390.98	290.53	2.346		
12,100.00	7,100.86	12,097.28	6,895.69	152.50	152.63	-72.48	2,198.92	4,753.29	681.57	386.68	294.88	2.311		
12,123.24	7,100.90	12,120.53	6,895.68	153.19	153.32	-72.48	2,198.68	4,776.53	681.58	385.38	296.20	2.301		
12,200.00	7,101.04	12,197.28	6,895.64	155.48	155.61	-72.46	2,197.91	4,853.28	681.64	381.08	300.55	2.268		
12,223.24	7,101.08	12,220.53	6,895.63	156.18	156.30	-72.46	2,197.68	4,876.53	681.65	379.78	301.87	2.258		
12,300.00	7,101.22	12,297.28	6,895.59	158.47	158.59	-72.44	2,196.90	4,953.28	681.71	375.48	306.23	2.226		
12,323.24	7,101.26	12,320.53	6,895.58	159.16	159.28	-72.44	2,196.67	4,976.52	681.72	374.18	307.54	2.217		
12,400.00	7,101.40	12,397.28	6,895.54	161.45	161.57	-72.43	2,195.89	5,053.27	681.78	369.88	311.90	2.186		
12,423.24	7,101.44	12,420.53	6,895.52	162.14	162.26	-72.42	2,195.66	5,076.51	681.79	368.57	313.22	2.177		
12,500.00	7,101.57	12,497.28	6,895.48	164.44	164.55	-72.41	2,194.88	5,153.27	681.85	364.27	317.58	2.147		
12,523.24	7,101.62	12,520.53	6,895.47	165.13	165.24	-72.40	2,194.65	5,176.51	681.86	362.96	318.90	2.138		
12,600.00	7,101.75	12,597.28	6,895.43	167.43	167.53	-72.39	2,193.87	5,253.26	681.92	358.66	323.26	2.109		
12,623.24	7,101.79	12,620.53	6,895.42	168.12	168.22	-72.38	2,193.64	5,276.50	681.93	357.35	324.58	2.101		
12,700.00	7,101.93	12,697.28	6,895.38	170.42	170.52	-72.37	2,192.87	5,353.26	681.99	353.04	328.95	2.073		
12,723.24	7,101.97	12,720.53	6,895.37	171.11	171.21	-72.37	2,192.63	5,376.50	682.00	351.74	330.27	2.065		
12,800.00	7,102.11	12,797.28	6,895.32	173.41	173.50	-72.35	2,191.86	5,453.25	682.06	347.43	334.63	2.038		
12,823.24	7,102.15	12,820.53	6,895.31	174.10	174.20	-72.35	2,191.62	5,476.49	682.07	346.12	335.95	2.030		
12,900.00	7,102.29	12,897.28	6,895.27	176.40	176.49	-72.33	2,190.85	5,553.25	682.13	341.81	340.32	2.004		
12,923.24	7,102.33	12,920.52	6,895.26	177.10	177.19	-72.33	2,190.61	5,576.49	682.14	340.50	341.64	1.997 Collision Risk Procedures Req.		
13,000.00	7,102.47	12,997.28	6,895.22	179.40	179.48	-72.31	2,189.84	5,653.24	682.20	336.19	346.01	1.972 Collision Risk Procedures Req.		
13,023.24	7,102.51	13,020.52	6,895.21	180.09	180.18	-72.31	2,189.61	5,676.48	682.21	334.88	347.33	1.964 Collision Risk Procedures Req.		
13,100.00	7,102.65	13,097.28	6,895.17	182.39	182.47	-72.30	2,188.83	5,753.24	682.27	330.57	351.70	1.940 Collision Risk Procedures Req.		
13,123.24	7,102.69	13,120.52	6,895.15	183.09	183.17	-72.29	2,188.60	5,776.48	682.28	329.26	353.02	1.933 Collision Risk Procedures Req.		
13,200.00	7,102.83	13,197.28	6,895.11	185.39	185.47	-72.28	2,187.82	5,853.23	682.34	324.95	357.39	1.909 Collision Risk Procedures Req.		
13,223.24	7,102.87	13,220.52	6,895.10	186.09	186.16	-72.27	2,187.59	5,876.47	682.36	323.64	358.72	1.902 Collision Risk Procedures Req.		
13,300.00	7,103.01	13,297.28	6,895.06	188.39	188.46	-72.26	2,186.81	5,953.22	682.41	319.32	363.09	1.879 Collision Risk Procedures Req.		
13,323.24	7,103.05	13,320.52	6,895.05	189.08	189.16	-72.25	2,186.58	5,976.47	682.43	318.02	364.41	1.873 Collision Risk Procedures Req.		
13,400.00	7,103.19	13,397.28	6,895.01	191.39	191.46	-72.24	2,185.81	6,053.22	682.48	313.70	368.78	1.851 Collision Risk Procedures Req.		
13,423.24	7,103.23	13,420.52	6,895.00	192.08	192.15	-72.24	2,185.57	6,076.46	682.50	312.39	370.11	1.844 Collision Risk Procedures Req.		
13,500.00	7,103.36	13,497.28	6,894.96	194.39	194.45	-72.22	2,184.80	6,153.21	682.55	308.07	374.48	1.823 Collision Risk Procedures Req.		
13,523.24	7,103.41	13,520.52	6,894.94	195.08	195.15	-72.22	2,184.56	6,176.46	682.57	306.76	375.80	1.816 Collision Risk Procedures Req.		
13,600.00	7,103.54	13,597.28	6,894.90	197.39	197.45	-72.20	2,183.79	6,253.21	682.62	302.44	380.18	1.796 Collision Risk Procedures Req.		
13,623.24	7,103.58	13,620.52	6,894.89	198.09	198.15	-72.20	2,183.55	6,276.45	682.64	301.14	381.50	1.789 Collision Risk Procedures Req.		
13,700.00	7,103.72	13,697.28	6,894.85	200.39	200.45	-72.18	2,182.78	6,353.20	682.69	296.82	385.88	1.769 Collision Risk Procedures Req.		
13,723.24	7,103.76	13,720.52	6,894.84	201.09	201.15	-72.18	2,182.55	6,376.45	682.71	295.51	387.20	1.763 Collision Risk Procedures Req.		
13,800.00	7,103.90	13,797.28	6,894.80	203.39	203.45	-72.17	2,181.77	6,453.20	682.76	291.19	391.58	1.744 Collision Risk Procedures Req.		
13,823.24	7,103.94	13,820.52	6,894.79	204.09	204.15	-72.16	2,181.54	6,476.44	682.78	289.88	392.90	1.738 Collision Risk Procedures Req.		
13,900.00	7,104.08	13,897.28	6,894.75	206.40	206.45	-72.15	2,180.76	6,553.19	682.83	285.56	397.28	1.719 Collision Risk Procedures Req.		
13,923.24	7,104.12	13,920.52	6,894.73	207.10	207.15	-72.14	2,180.53	6,576.43	682.85	284.25	398.60	1.713 Collision Risk Procedures Req.		
14,000.00	7,104.26	13,997.28	6,894.69	209.40	209.46	-72.13	2,179.75	6,653.19	682.91	279.93	402.98	1.695 Collision Risk Procedures Req.		

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

Company:	NueVida Resources, LLC	Local Co-ordinate Reference:	Well Ardourel 33081718 #5HL - Slot 5
Project:	La Plata County, CO (NAD83)	TVD Reference:	GL 6719' & RKB 25' @ 6744.00ft
Reference Site:	33N 08W Sec 18	MD Reference:	GL 6719' & RKB 25' @ 6744.00ft
Site Error:	0.00 ft	North Reference:	Grid
Reference Well:	Ardourel 33081718 #5HL	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	Grand Junction
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design 33N 08W Sec 18 - Ardourel 33081718 #6HU - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+HDGM													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,023.24	7,104.30	14,020.52	6,894.68	210.10	210.15	-72.12	2,179.52	6,676.43	682.92	278.62	404.30	1.689	Collision Risk Procedures Req.	
14,100.00	7,104.44	14,097.28	6,894.64	212.41	212.46	-72.11	2,178.74	6,753.18	682.98	274.30	408.68	1.671	Collision Risk Procedures Req.	
14,123.24	7,104.48	14,120.52	6,894.63	213.11	213.16	-72.11	2,178.51	6,776.42	682.99	272.99	410.00	1.666	Collision Risk Procedures Req.	
14,200.00	7,104.62	14,197.28	6,894.59	215.42	215.46	-72.09	2,177.74	6,853.18	683.05	268.67	414.38	1.648	Collision Risk Procedures Req.	
14,223.24	7,104.66	14,220.52	6,894.58	216.12	216.16	-72.09	2,177.50	6,876.42	683.06	267.36	415.71	1.643	Collision Risk Procedures Req.	
14,300.00	7,104.80	14,297.28	6,894.53	218.42	218.47	-72.07	2,176.73	6,953.17	683.12	263.03	420.08	1.626	Collision Risk Procedures Req.	
14,323.24	7,104.84	14,320.52	6,894.52	219.12	219.17	-72.07	2,176.49	6,976.41	683.14	261.73	421.41	1.621	Collision Risk Procedures Req.	
14,400.00	7,104.98	14,397.28	6,894.48	221.43	221.47	-72.06	2,175.72	7,053.17	683.19	257.40	425.79	1.605	Collision Risk Procedures Req.	
14,423.24	7,105.02	14,420.52	6,894.47	222.13	222.17	-72.05	2,175.48	7,076.41	683.21	256.09	427.11	1.600	Collision Risk Procedures Req.	
14,500.00	7,105.15	14,497.28	6,894.43	224.44	224.48	-72.04	2,174.71	7,153.16	683.26	251.77	431.49	1.583	Collision Risk Procedures Req.	
14,523.24	7,105.20	14,520.52	6,894.42	225.14	225.18	-72.03	2,174.48	7,176.40	683.28	250.46	432.82	1.579	Collision Risk Procedures Req.	
14,600.00	7,105.33	14,597.28	6,894.38	227.45	227.49	-72.02	2,173.70	7,253.16	683.33	246.14	437.19	1.563	Collision Risk Procedures Req.	
14,623.24	7,105.38	14,620.52	6,894.36	228.15	228.19	-72.01	2,173.47	7,276.40	683.35	244.83	438.52	1.558	Collision Risk Procedures Req.	
14,700.00	7,105.51	14,697.28	6,894.32	230.46	230.49	-72.00	2,172.69	7,353.15	683.40	240.51	442.90	1.543	Collision Risk Procedures Req.	
14,723.24	7,105.55	14,720.52	6,894.31	231.16	231.19	-72.00	2,172.46	7,376.39	683.42	239.20	444.22	1.538	Collision Risk Procedures Req.	
14,800.00	7,105.69	14,797.28	6,894.27	233.47	233.50	-71.98	2,171.68	7,453.14	683.48	234.87	448.60	1.524	Collision Risk Procedures Req.	
14,823.24	7,105.73	14,820.52	6,894.26	234.17	234.20	-71.98	2,171.45	7,476.39	683.49	233.56	449.93	1.519	Collision Risk Procedures Req.	
14,900.00	7,105.87	14,897.28	6,894.22	236.49	236.51	-71.96	2,170.68	7,553.14	683.55	229.24	454.31	1.505	Collision Risk Procedures Req.	
14,923.24	7,105.91	14,920.52	6,894.21	237.19	237.21	-71.96	2,170.44	7,576.38	683.56	227.93	455.63	1.500	Collision Risk Procedures Req.	
15,000.00	7,106.05	14,997.28	6,894.17	239.50	239.52	-71.94	2,169.67	7,653.13	683.62	223.61	460.01	1.486	Collision Avoidance Req.	
15,023.24	7,106.09	15,020.52	6,894.15	240.20	240.22	-71.94	2,169.43	7,676.38	683.64	222.30	461.34	1.482	Collision Avoidance Req.	
15,100.00	7,106.23	15,097.28	6,894.11	242.51	242.53	-71.93	2,168.66	7,753.13	683.69	217.97	465.72	1.468	Collision Avoidance Req.	
15,123.24	7,106.27	15,120.52	6,894.10	243.21	243.23	-71.92	2,168.42	7,776.37	683.71	216.67	467.04	1.464	Collision Avoidance Req.	
15,200.00	7,106.41	15,197.28	6,894.06	245.52	245.54	-71.91	2,167.65	7,853.12	683.76	212.34	471.42	1.450	Collision Avoidance Req.	
15,223.24	7,106.45	15,220.52	6,894.05	246.22	246.24	-71.90	2,167.42	7,876.36	683.78	211.03	472.75	1.446	Collision Avoidance Req.	
15,300.00	7,106.59	15,297.28	6,894.01	248.54	248.55	-71.89	2,166.64	7,953.12	683.84	206.71	477.13	1.433	Collision Avoidance Req.	
15,323.24	7,106.63	15,320.52	6,894.00	249.24	249.26	-71.88	2,166.41	7,976.36	683.85	205.40	478.45	1.429	Collision Avoidance Req.	
15,400.00	7,106.77	15,397.28	6,893.96	251.55	251.57	-71.87	2,165.63	8,053.11	683.91	201.08	482.83	1.416	Collision Avoidance Req.	
15,423.24	7,106.81	15,420.52	6,893.94	252.25	252.27	-71.87	2,165.40	8,076.35	683.92	199.77	484.16	1.413	Collision Avoidance Req.	
15,500.00	7,106.94	15,497.28	6,893.90	254.57	254.58	-71.85	2,164.62	8,153.11	683.98	195.44	488.53	1.400	Collision Avoidance Req.	
15,523.24	7,106.99	15,520.52	6,893.89	255.27	255.28	-71.85	2,164.39	8,176.35	684.00	194.14	489.86	1.396	Collision Avoidance Req.	
15,600.00	7,107.12	15,597.27	6,893.85	257.58	257.59	-71.83	2,163.61	8,253.10	684.05	189.81	494.24	1.384	Collision Avoidance Req.	
15,623.24	7,107.17	15,620.52	6,893.84	258.28	258.29	-71.83	2,163.38	8,276.34	684.07	188.50	495.56	1.380	Collision Avoidance Req.	
15,700.00	7,107.30	15,697.27	6,893.80	260.60	260.61	-71.82	2,162.61	8,353.10	684.12	184.18	499.94	1.368	Collision Avoidance Req.	
15,723.24	7,107.34	15,720.52	6,893.79	261.30	261.31	-71.81	2,162.37	8,376.34	684.14	182.87	501.27	1.365	Collision Avoidance Req.	
15,800.00	7,107.48	15,797.27	6,893.75	263.61	263.62	-71.80	2,161.60	8,453.09	684.20	178.55	505.65	1.353	Collision Avoidance Req.	
15,823.24	7,107.52	15,820.52	6,893.73	264.31	264.32	-71.79	2,161.36	8,476.33	684.21	177.24	506.97	1.350	Collision Avoidance Req.	
15,900.00	7,107.66	15,897.27	6,893.69	266.63	266.64	-71.78	2,160.59	8,553.09	684.27	172.92	511.35	1.338	Collision Avoidance Req.	
15,923.24	7,107.70	15,920.52	6,893.68	267.33	267.34	-71.77	2,160.35	8,576.33	684.29	171.61	512.68	1.335	Collision Avoidance Req.	
16,000.00	7,107.84	15,997.27	6,893.64	269.65	269.65	-71.76	2,159.58	8,653.08	684.34	167.29	517.05	1.324	Collision Avoidance Req.	
16,023.24	7,107.88	16,020.52	6,893.63	270.35	270.35	-71.76	2,159.35	8,676.32	684.36	165.98	518.38	1.320	Collision Avoidance Req.	
16,100.00	7,108.02	16,097.27	6,893.59	272.66	272.67	-71.74	2,158.57	8,753.07	684.41	161.66	522.76	1.309	Collision Avoidance Req.	
16,123.24	7,108.06	16,120.52	6,893.57	273.37	273.37	-71.74	2,158.34	8,776.32	684.43	160.35	524.08	1.306	Collision Avoidance Req.	
16,200.00	7,108.20	16,197.27	6,893.53	275.68	275.68	-71.72	2,157.56	8,853.07	684.49	156.03	528.46	1.295	Collision Avoidance Req.	
16,223.24	7,108.24	16,220.52	6,893.52	276.38	276.38	-71.72	2,157.33	8,876.31	684.50	154.72	529.78	1.292	Collision Avoidance Req.	
16,300.00	7,108.38	16,297.27	6,893.48	278.70	278.70	-71.70	2,156.55	8,953.06	684.56	150.40	534.16	1.282	Collision Avoidance Req.	
16,323.24	7,108.42	16,320.52	6,893.47	279.40	279.40	-71.70	2,156.32	8,976.31	684.58	149.09	535.49	1.278	Collision Avoidance Req.	
16,400.00	7,108.56	16,397.27	6,893.43	281.72	281.71	-71.69	2,155.55	9,053.06	684.63	144.77	539.86	1.268	Collision Avoidance Req.	
16,423.24	7,108.60	16,420.52	6,893.42	282.42	282.42	-71.68	2,155.31	9,076.30	684.65	143.46	541.19	1.265	Collision Avoidance Req.	
16,500.00	7,108.73	16,497.27	6,893.38	284.74	284.73	-71.67	2,154.54	9,153.05	684.70	139.14	545.56	1.255	Collision Avoidance Req.	
16,523.24	7,108.78	16,520.52	6,893.36	285.44	285.43	-71.66	2,154.30	9,176.30	684.72	137.83	546.89	1.252	Collision Avoidance Req.	
16,600.00	7,108.91	16,597.27	6,893.32	287.76	287.75	-71.65	2,153.53	9,253.05	684.78	133.51	551.26	1.242	Collision Avoidance Req.	

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

Company:	NueVida Resources, LLC	Local Co-ordinate Reference:	Well Ardourel 33081718 #5HL - Slot 5
Project:	La Plata County, CO (NAD83)	TVD Reference:	GL 6719' & RKB 25' @ 6744.00ft
Reference Site:	33N 08W Sec 18	MD Reference:	GL 6719' & RKB 25' @ 6744.00ft
Site Error:	0.00 ft	North Reference:	Grid
Reference Well:	Ardourel 33081718 #5HL	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	Grand Junction
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design 33N 08W Sec 18 - Ardourel 33081718 #6HU - OH - Plan #1												Offset Site Error:	0.00 ft
Survey Program: 0-MWD+HDGM												Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
16,623.24	7,108.96	16,620.52	6,893.31	288.46	288.45	-71.65	2,153.29	9,276.29	684.79	132.21	552.59	1.239	Collision Avoidance Req.
16,700.00	7,109.09	16,697.27	6,893.27	290.78	290.77	-71.63	2,152.52	9,353.04	684.85	127.89	556.96	1.230	Collision Avoidance Req.
16,723.24	7,109.13	16,720.52	6,893.26	291.48	291.47	-71.63	2,152.29	9,376.28	684.87	126.58	558.29	1.227	Collision Avoidance Req.
16,800.00	7,109.27	16,797.27	6,893.22	293.80	293.78	-71.61	2,151.51	9,453.04	684.92	122.26	562.66	1.217	Collision Avoidance Req.
16,823.24	7,109.31	16,820.51	6,893.21	294.50	294.49	-71.61	2,151.28	9,476.28	684.94	120.95	563.99	1.214	Collision Avoidance Req.
16,900.00	7,109.45	16,897.27	6,893.17	296.82	296.80	-71.59	2,150.50	9,553.03	685.00	116.63	568.36	1.205	Collision Avoidance Req.
16,923.24	7,109.49	16,920.51	6,893.15	297.52	297.51	-71.59	2,150.27	9,576.27	685.01	115.33	569.69	1.202	Collision Avoidance Req.
17,000.00	7,109.63	16,997.27	6,893.11	299.84	299.82	-71.58	2,149.49	9,653.03	685.07	111.01	574.06	1.193	Collision Avoidance Req.
17,023.24	7,109.67	17,020.51	6,893.10	300.54	300.52	-71.57	2,149.26	9,676.27	685.09	109.70	575.39	1.191	Collision Avoidance Req.
17,100.00	7,109.81	17,097.27	6,893.06	302.86	302.84	-71.56	2,148.48	9,753.02	685.14	105.38	579.76	1.182	Collision Avoidance Req.
17,123.24	7,109.85	17,120.51	6,893.05	303.56	303.54	-71.55	2,148.25	9,776.26	685.16	104.08	581.08	1.179	Collision Avoidance Req.
17,200.00	7,109.99	17,197.27	6,893.01	305.88	305.86	-71.54	2,147.48	9,853.02	685.22	99.76	585.46	1.170	Collision Avoidance Req.
17,223.24	7,110.03	17,220.51	6,893.00	306.58	306.56	-71.53	2,147.24	9,876.26	685.23	98.45	586.78	1.168	Collision Avoidance Req.
17,300.00	7,110.17	17,297.27	6,892.96	308.90	308.88	-71.52	2,146.47	9,953.01	685.29	94.14	591.15	1.159	Collision Avoidance Req.
17,306.49	7,110.18	17,303.76	6,892.95	309.09	309.08	-71.52	2,146.40	9,959.50	685.29	93.77	591.52	1.159	Collision Avoidance Req.
17,327.87	7,110.22	17,325.14	6,892.94	309.74	309.72	-71.52	2,146.19	9,980.88	685.31	92.57	592.74	1.156	Collision Avoidance Req., SF

Company:	NueVida Resources, LLC	Local Co-ordinate Reference:	Well Ardourel 33081718 #5HL - Slot 5
Project:	La Plata County, CO (NAD83)	TVD Reference:	GL 6719' & RKB 25' @ 6744.00ft
Reference Site:	33N 08W Sec 18	MD Reference:	GL 6719' & RKB 25' @ 6744.00ft
Site Error:	0.00 ft	North Reference:	Grid
Reference Well:	Ardourel 33081718 #5HL	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	Grand Junction
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design 33N 08W Sec 18 - Ardourel 33081718 #7HL - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+HDGM													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	-7.18	39.68	-5.00	39.99					
100.00	100.00	100.00	100.00	0.27	0.27	-7.18	39.68	-5.00	39.99	39.46	0.54	74.378		
200.00	200.00	200.00	200.00	0.63	0.63	-7.18	39.68	-5.00	39.99	38.74	1.25	31.876		
300.00	300.00	300.00	300.00	0.99	0.99	-7.18	39.68	-5.00	39.99	38.02	1.97	20.285		
400.00	400.00	400.00	400.00	1.34	1.34	-7.18	39.68	-5.00	39.99	37.31	2.69	14.876		
500.00	500.00	500.00	500.00	1.70	1.70	-7.18	39.68	-5.00	39.99	36.59	3.41	11.744		
600.00	599.98	598.62	598.60	2.06	2.06	7.34	41.36	-5.22	39.98	35.87	4.12	9.713		
700.00	699.84	697.25	697.09	2.42	2.41	8.21	46.41	-5.89	39.96	35.13	4.82	8.283		
780.93	780.48	777.06	776.62	2.72	2.70	9.34	52.95	-6.75	39.94	34.55	5.39	7.404		
800.00	799.45	795.87	795.34	2.79	2.77	9.66	54.81	-6.99	39.94	34.41	5.53	7.225		
823.76	823.07	819.30	818.64	2.87	2.86	10.09	57.30	-7.32	39.94	34.24	5.70	7.012 CC		
900.00	898.70	894.48	893.24	3.15	3.13	11.68	66.57	-8.54	39.95	33.72	6.23	6.414		
1,000.00	997.47	993.10	990.67	3.53	3.50	14.27	81.65	-10.52	40.05	33.11	6.93	5.778		
1,100.00	1,095.62	1,091.71	1,087.51	3.92	3.89	17.41	100.05	-12.94	40.27	32.63	7.64	5.273		
1,200.00	1,193.06	1,190.32	1,183.65	4.34	4.30	21.05	121.74	-15.80	40.69	32.34	8.36	4.870 ES		
1,300.00	1,289.79	1,288.91	1,278.98	4.78	4.73	24.82	146.70	-19.08	41.88	32.78	9.09	4.606		
1,400.00	1,386.44	1,387.39	1,373.26	5.23	5.18	26.98	174.86	-22.79	46.14	36.30	9.84	4.688		
1,500.00	1,483.08	1,485.51	1,466.19	5.69	5.66	27.41	206.09	-26.90	53.65	43.06	10.59	5.067		
1,600.00	1,579.73	1,583.06	1,557.44	6.16	6.17	26.65	240.25	-31.39	64.34	53.02	11.32	5.684		
1,700.00	1,676.38	1,679.81	1,646.74	6.63	6.71	25.28	277.16	-36.25	78.22	66.18	12.04	6.499		
1,800.00	1,773.03	1,775.56	1,733.83	7.11	7.28	23.73	316.61	-41.44	95.29	82.56	12.73	7.483		
1,900.00	1,869.68	1,873.68	1,822.35	7.59	7.89	22.37	358.57	-46.96	114.06	100.53	13.54	8.426		
2,000.00	1,966.32	1,971.88	1,910.94	8.07	8.51	21.39	400.57	-52.49	132.88	118.53	14.35	9.258		
2,100.00	2,062.97	2,070.07	1,999.53	8.56	9.14	20.66	442.56	-58.02	151.72	136.55	15.18	9.997		
2,200.00	2,159.62	2,168.26	2,088.11	9.05	9.79	20.09	484.56	-63.54	170.59	154.58	16.01	10.656		
2,300.00	2,256.27	2,266.45	2,176.70	9.54	10.44	19.63	526.55	-69.07	189.47	172.62	16.84	11.248		
2,400.00	2,352.92	2,364.64	2,265.29	10.03	11.09	19.26	568.55	-74.60	208.35	190.67	17.68	11.781		
2,500.00	2,449.56	2,462.84	2,353.87	10.53	11.75	18.94	610.54	-80.12	227.25	208.72	18.53	12.264		
2,600.00	2,546.21	2,561.03	2,442.46	11.02	12.42	18.68	652.54	-85.65	246.14	226.77	19.38	12.704		
2,700.00	2,642.86	2,659.22	2,531.05	11.52	13.08	18.45	694.53	-91.17	265.05	244.82	20.23	13.105		
2,800.00	2,739.51	2,757.41	2,619.63	12.02	13.76	18.26	736.53	-96.70	283.95	262.88	21.08	13.472		
2,900.00	2,836.16	2,855.60	2,708.22	12.51	14.43	18.08	778.52	-102.23	302.86	280.93	21.93	13.810		
3,000.00	2,932.80	2,953.80	2,796.81	13.01	15.10	17.93	820.52	-107.75	321.78	298.99	22.79	14.121		
3,100.00	3,029.45	3,051.99	2,885.39	13.51	15.78	17.80	862.51	-113.28	340.69	317.05	23.64	14.409		
3,200.00	3,126.10	3,150.18	2,973.98	14.01	16.46	17.68	904.51	-118.81	359.61	335.10	24.50	14.676		
3,300.00	3,222.75	3,248.37	3,062.57	14.51	17.14	17.57	946.50	-124.33	378.52	353.16	25.36	14.924		
3,400.00	3,319.40	3,346.56	3,151.15	15.01	17.82	17.47	988.49	-129.86	397.44	371.22	26.22	15.155		
3,500.00	3,416.05	3,444.76	3,239.74	15.51	18.51	17.38	1,030.49	-135.38	416.36	389.27	27.09	15.372		
3,600.00	3,512.69	3,542.95	3,328.32	16.01	19.19	17.30	1,072.48	-140.91	435.28	407.33	27.95	15.574		
3,700.00	3,609.34	3,641.14	3,416.91	16.51	19.88	17.22	1,114.48	-146.44	454.20	425.39	28.81	15.764		
3,800.00	3,705.99	3,739.33	3,505.50	17.02	20.56	17.15	1,156.47	-151.96	473.12	443.45	29.68	15.942		
3,900.00	3,802.64	3,837.52	3,594.08	17.52	21.25	17.09	1,198.47	-157.49	492.05	461.50	30.54	16.110		
4,000.00	3,899.29	3,935.72	3,682.67	18.02	21.94	17.03	1,240.46	-163.02	510.97	479.56	31.41	16.268		
4,100.00	3,995.93	4,033.91	3,771.26	18.52	22.62	16.98	1,282.46	-168.54	529.89	497.62	32.27	16.418		
4,200.00	4,092.58	4,132.10	3,859.84	19.03	23.31	16.93	1,324.45	-174.07	548.81	515.67	33.14	16.560		
4,300.00	4,189.23	4,230.29	3,948.43	19.53	24.00	16.88	1,366.45	-179.59	567.74	533.73	34.01	16.694		
4,400.00	4,285.88	4,328.49	4,037.02	20.03	24.69	16.83	1,408.44	-185.12	586.66	551.79	34.88	16.821		
4,500.00	4,382.53	4,426.68	4,125.60	20.54	25.38	16.79	1,450.44	-190.65	605.59	569.84	35.75	16.942		
4,600.00	4,479.17	4,524.87	4,214.19	21.04	26.07	16.75	1,492.43	-196.17	624.51	587.90	36.61	17.057		
4,700.00	4,575.82	4,623.06	4,302.78	21.54	26.76	16.72	1,534.43	-201.70	643.44	605.95	37.48	17.166		
4,800.00	4,672.47	4,721.25	4,391.36	22.05	27.46	16.68	1,576.42	-207.23	662.36	624.01	38.35	17.270		
4,900.00	4,769.12	4,819.45	4,479.95	22.55	28.15	16.65	1,618.42	-212.75	681.29	642.07	39.22	17.370		

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

Company:	NueVida Resources, LLC	Local Co-ordinate Reference:	Well Ardourel 33081718 #5HL - Slot 5
Project:	La Plata County, CO (NAD83)	TVD Reference:	GL 6719' & RKB 25' @ 6744.00ft
Reference Site:	33N 08W Sec 18	MD Reference:	GL 6719' & RKB 25' @ 6744.00ft
Site Error:	0.00 ft	North Reference:	Grid
Reference Well:	Ardourel 33081718 #5HL	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	Grand Junction
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design 33N 08W Sec 18 - Ardourel 33081718 #7HL - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+HDCM													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,865.77	4,917.64	4,568.53	23.06	28.84	16.62	1,660.41	-218.28	700.22	660.12	40.09	17.465		
5,100.00	4,962.41	5,015.83	4,657.12	23.56	29.53	16.59	1,702.41	-223.80	719.14	678.18	40.96	17.556		
5,200.00	5,059.06	5,114.02	4,745.71	24.06	30.22	16.56	1,744.40	-229.33	738.07	696.23	41.83	17.643		
5,300.00	5,155.71	5,212.21	4,834.29	24.57	30.92	16.53	1,786.40	-234.86	756.99	714.29	42.70	17.726		
5,400.00	5,252.36	5,310.41	4,922.88	25.07	31.61	16.51	1,828.39	-240.38	775.92	732.34	43.58	17.806		
5,500.00	5,349.01	5,408.60	5,011.47	25.58	32.30	16.49	1,870.39	-245.91	794.85	750.40	44.45	17.883		
5,600.00	5,445.65	5,506.79	5,100.05	26.08	33.00	16.46	1,912.38	-251.44	813.77	768.46	45.32	17.957		
5,700.00	5,542.30	5,604.98	5,188.64	26.59	33.69	16.44	1,954.38	-256.96	832.70	786.51	46.19	18.028		
5,800.00	5,638.95	5,703.17	5,277.23	27.09	34.38	16.42	1,996.37	-262.49	851.63	804.57	47.06	18.096		
5,900.00	5,735.60	5,801.37	5,365.81	27.60	35.08	16.40	2,038.37	-268.02	870.56	822.62	47.93	18.161		
6,000.00	5,832.25	5,899.56	5,454.40	28.10	35.77	16.38	2,080.36	-273.54	889.48	840.68	48.81	18.224		
6,100.00	5,928.89	5,997.75	5,542.99	28.61	36.46	16.36	2,122.36	-279.07	908.41	858.73	49.68	18.285		
6,200.00	6,025.54	6,095.94	5,631.57	29.11	37.16	16.35	2,164.35	-284.59	927.34	876.79	50.55	18.344		
6,300.00	6,122.19	6,194.13	5,720.16	29.62	37.85	16.33	2,206.35	-290.12	946.26	894.84	51.43	18.401		
6,400.00	6,218.84	6,292.33	5,808.75	30.12	38.55	16.31	2,248.34	-295.65	965.19	912.89	52.30	18.456		
6,500.00	6,315.49	6,390.52	5,897.33	30.63	39.24	16.30	2,290.34	-301.17	984.12	930.95	53.17	18.508		
6,600.00	6,412.23	6,488.65	5,985.86	31.12	39.94	-1.45	2,332.31	-306.70	1,002.95	948.94	54.02	18.568		
6,700.00	6,508.63	6,585.65	6,073.38	31.57	40.62	-28.22	2,373.79	-312.16	1,021.29	966.58	54.72	18.665		
6,800.00	6,602.90	6,679.67	6,158.20	31.95	41.29	-45.58	2,414.00	-317.45	1,039.36	984.06	55.30	18.796		
6,900.00	6,693.21	6,768.87	6,238.67	32.27	41.92	-56.11	2,452.15	-322.47	1,057.85	1,002.04	55.82	18.952		
7,000.00	6,777.80	6,851.51	6,313.23	32.53	42.51	-62.92	2,487.49	-327.12	1,077.81	1,021.45	56.36	19.123		
7,100.00	6,855.02	6,925.98	6,380.42	32.75	43.03	-67.50	2,519.35	-331.31	1,100.42	1,043.39	57.04	19.293		
7,200.00	6,923.38	7,005.36	6,452.07	32.92	43.59	-70.99	2,553.31	-334.33	1,126.65	1,068.57	58.08	19.398		
7,300.00	6,981.53	7,108.40	6,544.84	33.04	44.25	-74.31	2,597.22	-326.20	1,155.70	1,096.05	59.65	19.374		
7,400.00	7,028.35	7,235.46	6,656.29	33.13	44.96	-77.60	2,649.87	-296.06	1,186.51	1,125.01	61.50	19.293		
7,500.00	7,062.93	7,404.83	6,794.15	33.19	45.71	-81.41	2,714.83	-223.07	1,217.30	1,154.05	63.25	19.247		
7,600.00	7,084.59	7,649.60	6,957.63	33.27	46.44	-86.00	2,791.49	-59.57	1,244.41	1,179.99	64.41	19.319		
7,700.00	7,092.91	8,003.26	7,086.41	33.56	46.95	-89.77	2,850.96	260.47	1,260.59	1,193.92	66.67	18.908		
7,800.00	7,093.16	8,198.18	7,095.81	34.62	47.09	-90.12	2,854.47	454.81	1,262.13	1,191.53	70.60	17.877		
7,900.00	7,093.34	8,298.18	7,095.54	36.29	47.20	-90.10	2,853.86	554.80	1,262.52	1,188.47	74.06	17.048		
8,000.00	7,093.52	8,398.18	7,095.26	38.21	47.40	-90.08	2,853.25	654.80	1,262.92	1,185.08	77.84	16.226		
8,100.00	7,093.70	8,498.18	7,094.99	40.28	47.74	-90.06	2,852.63	754.80	1,263.31	1,181.43	81.89	15.427		
8,200.00	7,093.88	8,598.18	7,094.72	42.48	48.33	-90.04	2,852.02	854.79	1,263.71	1,177.53	86.18	14.664		
8,300.00	7,094.06	8,698.18	7,094.44	44.78	49.32	-90.02	2,851.41	954.79	1,264.11	1,173.43	90.67	13.942		
8,400.00	7,094.23	8,798.17	7,094.17	47.16	50.79	-90.00	2,850.79	1,054.78	1,264.50	1,169.16	95.34	13.263		
8,500.00	7,094.41	8,898.17	7,093.89	49.61	52.65	-89.98	2,850.18	1,154.78	1,264.90	1,164.74	100.16	12.629		
8,600.00	7,094.59	8,998.17	7,093.62	52.13	54.77	-89.96	2,849.57	1,254.77	1,265.29	1,160.19	105.11	12.038		
8,700.00	7,094.77	9,098.17	7,093.35	54.69	57.04	-89.94	2,848.96	1,354.77	1,265.69	1,155.52	110.17	11.489		
8,800.00	7,094.95	9,198.17	7,093.07	57.31	59.43	-89.92	2,848.34	1,454.77	1,266.09	1,150.76	115.32	10.979		
8,900.00	7,095.13	9,298.16	7,092.80	59.96	61.91	-89.89	2,847.73	1,554.76	1,266.48	1,145.92	120.57	10.505		
9,000.00	7,095.31	9,398.16	7,092.52	62.64	64.44	-89.87	2,847.12	1,654.76	1,266.88	1,141.00	125.88	10.064		
9,100.00	7,095.49	9,498.16	7,092.25	65.36	67.03	-89.85	2,846.51	1,754.75	1,267.28	1,136.01	131.26	9.654		
9,200.00	7,095.67	9,598.16	7,091.98	68.10	69.66	-89.83	2,845.89	1,854.75	1,267.68	1,130.97	136.70	9.273		
9,300.00	7,095.85	9,698.16	7,091.70	70.87	72.33	-89.81	2,845.28	1,954.75	1,268.07	1,125.88	142.19	8.918		
9,400.00	7,096.02	9,798.16	7,091.43	73.65	75.02	-89.79	2,844.67	2,054.74	1,268.47	1,120.74	147.73	8.586		
9,500.00	7,096.20	9,898.15	7,091.16	76.46	77.75	-89.77	2,844.06	2,154.74	1,268.87	1,115.56	153.31	8.277		
9,600.00	7,096.38	9,998.15	7,090.88	79.28	80.50	-89.75	2,843.44	2,254.73	1,269.27	1,110.35	158.92	7.987		
9,700.00	7,096.56	10,098.15	7,090.61	82.12	83.26	-89.73	2,842.83	2,354.73	1,269.66	1,105.10	164.56	7.715		
9,800.00	7,096.74	10,198.15	7,090.33	84.97	86.05	-89.71	2,842.22	2,454.73	1,270.06	1,099.83	170.24	7.461		
9,900.00	7,096.92	10,298.15	7,090.06	87.83	88.86	-89.69	2,841.60	2,554.72	1,270.46	1,094.52	175.94	7.221		
10,000.00	7,097.10	10,398.14	7,089.79	90.71	91.68	-89.67	2,840.99	2,654.72	1,270.86	1,089.20	181.66	6.996		
10,100.00	7,097.28	10,498.14	7,089.51	93.59	94.51	-89.65	2,840.38	2,754.71	1,271.26	1,083.85	187.41	6.783		

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

Company:	NueVida Resources, LLC	Local Co-ordinate Reference:	Well Ardourel 33081718 #5HL - Slot 5
Project:	La Plata County, CO (NAD83)	TVD Reference:	GL 6719' & RKB 25' @ 6744.00ft
Reference Site:	33N 08W Sec 18	MD Reference:	GL 6719' & RKB 25' @ 6744.00ft
Site Error:	0.00 ft	North Reference:	Grid
Reference Well:	Ardourel 33081718 #5HL	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	Grand Junction
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design 33N 08W Sec 18 - Ardourel 33081718 #7HL - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+HDCGM													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
10,200.00	7,097.46	10,598.14	7,089.24	96.49	97.36	-89.63	2,839.77	2,854.71	1,271.66	1,078.48	193.17	6.583		
10,300.00	7,097.64	10,698.14	7,088.97	99.39	100.21	-89.61	2,839.15	2,954.71	1,272.06	1,073.10	198.96	6.394		
10,400.00	7,097.81	10,798.14	7,088.69	102.30	103.08	-89.59	2,838.54	3,054.70	1,272.45	1,067.70	204.76	6.214		
10,500.00	7,097.99	10,898.14	7,088.42	105.21	105.96	-89.57	2,837.93	3,154.70	1,272.85	1,062.28	210.57	6.045		
10,600.00	7,098.17	10,998.13	7,088.14	108.14	108.84	-89.55	2,837.32	3,254.69	1,273.25	1,056.85	216.40	5.884		
10,700.00	7,098.35	11,098.13	7,087.87	111.07	111.73	-89.53	2,836.70	3,354.69	1,273.65	1,051.41	222.24	5.731		
10,800.00	7,098.53	11,198.13	7,087.60	114.00	114.63	-89.51	2,836.09	3,454.69	1,274.05	1,045.96	228.10	5.586		
10,900.00	7,098.71	11,298.13	7,087.32	116.94	117.54	-89.49	2,835.48	3,554.68	1,274.45	1,040.49	233.96	5.447		
11,000.00	7,098.89	11,398.13	7,087.05	119.88	120.45	-89.47	2,834.86	3,654.68	1,274.85	1,035.02	239.84	5.315		
11,100.00	7,099.07	11,498.13	7,086.78	122.83	123.37	-89.45	2,834.25	3,754.67	1,275.25	1,029.53	245.72	5.190		
11,200.00	7,099.25	11,598.12	7,086.50	125.78	126.30	-89.43	2,833.64	3,854.67	1,275.65	1,024.04	251.61	5.070		
11,300.00	7,099.43	11,698.12	7,086.23	128.74	129.23	-89.41	2,833.03	3,954.67	1,276.05	1,018.54	257.52	4.955		
11,400.00	7,099.61	11,798.12	7,085.95	131.70	132.16	-89.39	2,832.41	4,054.66	1,276.45	1,013.03	263.42	4.846		
11,500.00	7,099.78	11,898.12	7,085.68	134.66	135.10	-89.37	2,831.80	4,154.66	1,276.86	1,007.51	269.34	4.741		
11,600.00	7,099.96	11,998.12	7,085.41	137.63	138.04	-89.35	2,831.19	4,254.65	1,277.26	1,001.99	275.26	4.640		
11,700.00	7,100.14	12,098.11	7,085.13	140.60	140.99	-89.33	2,830.58	4,354.65	1,277.66	996.47	281.19	4.544		
11,800.00	7,100.32	12,198.11	7,084.86	143.57	143.94	-89.31	2,829.96	4,454.65	1,278.06	990.93	287.13	4.451		
11,900.00	7,100.50	12,298.11	7,084.59	146.55	146.89	-89.29	2,829.35	4,554.64	1,278.46	985.39	293.07	4.362		
12,000.00	7,100.68	12,398.11	7,084.31	149.52	149.85	-89.27	2,828.74	4,654.64	1,278.86	979.85	299.01	4.277		
12,100.00	7,100.86	12,498.11	7,084.04	152.50	152.81	-89.25	2,828.13	4,754.63	1,279.26	974.30	304.96	4.195		
12,200.00	7,101.04	12,598.11	7,083.76	155.48	155.77	-89.23	2,827.51	4,854.63	1,279.67	968.75	310.92	4.116		
12,300.00	7,101.22	12,698.10	7,083.49	158.47	158.74	-89.21	2,826.90	4,954.62	1,280.07	963.19	316.87	4.040		
12,400.00	7,101.40	12,798.10	7,083.22	161.45	161.71	-89.19	2,826.29	5,054.62	1,280.47	957.63	322.84	3.966		
12,500.00	7,101.57	12,898.10	7,082.94	164.44	164.68	-89.17	2,825.67	5,154.62	1,280.87	952.07	328.80	3.896		
12,600.00	7,101.75	12,998.10	7,082.67	167.43	167.65	-89.15	2,825.06	5,254.61	1,281.28	946.50	334.77	3.827		
12,700.00	7,101.93	13,098.10	7,082.39	170.42	170.62	-89.13	2,824.45	5,354.61	1,281.68	940.93	340.75	3.761		
12,800.00	7,102.11	13,198.09	7,082.12	173.41	173.60	-89.11	2,823.84	5,454.60	1,282.08	935.36	346.72	3.698		
12,900.00	7,102.29	13,298.09	7,081.85	176.40	176.58	-89.09	2,823.22	5,554.60	1,282.48	929.78	352.70	3.636		
13,000.00	7,102.47	13,398.09	7,081.57	179.40	179.56	-89.07	2,822.61	5,654.60	1,282.89	924.20	358.69	3.577		
13,100.00	7,102.65	13,498.09	7,081.30	182.39	182.54	-89.05	2,822.00	5,754.59	1,283.29	918.62	364.67	3.519		
13,200.00	7,102.83	13,598.09	7,081.03	185.39	185.52	-89.03	2,821.39	5,854.59	1,283.69	913.04	370.66	3.463		
13,300.00	7,103.01	13,698.09	7,080.75	188.39	188.51	-89.01	2,820.77	5,954.58	1,284.10	907.45	376.65	3.409		
13,400.00	7,103.19	13,798.08	7,080.48	191.39	191.50	-88.99	2,820.16	6,054.58	1,284.50	901.86	382.64	3.357		
13,500.00	7,103.36	13,898.08	7,080.20	194.39	194.48	-88.97	2,819.55	6,154.58	1,284.91	896.27	388.64	3.306		
13,600.00	7,103.54	13,998.08	7,079.93	197.39	197.47	-88.95	2,818.93	6,254.57	1,285.31	890.68	394.63	3.257		
13,700.00	7,103.72	14,098.08	7,079.66	200.39	200.46	-88.93	2,818.32	6,354.57	1,285.71	885.08	400.63	3.209		
13,800.00	7,103.90	14,198.08	7,079.38	203.39	203.46	-88.91	2,817.71	6,454.56	1,286.12	879.49	406.63	3.163		
13,900.00	7,104.08	14,298.07	7,079.11	206.40	206.45	-88.89	2,817.10	6,554.56	1,286.52	873.89	412.64	3.118		
14,000.00	7,104.26	14,398.07	7,078.84	209.40	209.44	-88.87	2,816.48	6,654.56	1,286.93	868.29	418.64	3.074		
14,100.00	7,104.44	14,498.07	7,078.56	212.41	212.44	-88.85	2,815.87	6,754.55	1,287.33	862.69	424.65	3.032		
14,200.00	7,104.62	14,598.07	7,078.29	215.42	215.44	-88.83	2,815.26	6,854.55	1,287.74	857.08	430.65	2.990		
14,300.00	7,104.80	14,698.07	7,078.01	218.42	218.43	-88.81	2,814.65	6,954.54	1,288.14	851.48	436.66	2.950		
14,400.00	7,104.98	14,798.07	7,077.74	221.43	221.43	-88.79	2,814.03	7,054.54	1,288.55	845.87	442.67	2.911		
14,500.00	7,105.15	14,898.06	7,077.47	224.44	224.43	-88.77	2,813.42	7,154.54	1,288.95	840.27	448.69	2.873		
14,600.00	7,105.33	14,998.06	7,077.19	227.45	227.43	-88.75	2,812.81	7,254.53	1,289.36	834.66	454.70	2.836		
14,700.00	7,105.51	15,098.06	7,076.92	230.46	230.43	-88.73	2,812.19	7,354.53	1,289.77	829.05	460.71	2.799		
14,800.00	7,105.69	15,198.06	7,076.65	233.47	233.43	-88.71	2,811.58	7,454.52	1,290.17	823.44	466.73	2.764		
14,900.00	7,105.87	15,298.06	7,076.37	236.49	236.44	-88.69	2,810.97	7,554.52	1,290.58	817.83	472.75	2.730		
15,000.00	7,106.05	15,398.05	7,076.10	239.50	239.44	-88.67	2,810.36	7,654.52	1,290.98	812.22	478.76	2.696		
15,100.00	7,106.23	15,498.05	7,075.82	242.51	242.44	-88.65	2,809.74	7,754.51	1,291.39	806.61	484.78	2.664		
15,200.00	7,106.41	15,598.05	7,075.55	245.52	245.45	-88.63	2,809.13	7,854.51	1,291.80	800.99	490.80	2.632		
15,300.00	7,106.59	15,698.05	7,075.28	248.54	248.45	-88.61	2,808.52	7,954.50	1,292.20	795.38	496.83	2.601		

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

Company:	NueVida Resources, LLC	Local Co-ordinate Reference:	Well Ardourel 33081718 #5HL - Slot 5
Project:	La Plata County, CO (NAD83)	TVD Reference:	GL 6719' & RKB 25' @ 6744.00ft
Reference Site:	33N 08W Sec 18	MD Reference:	GL 6719' & RKB 25' @ 6744.00ft
Site Error:	0.00 ft	North Reference:	Grid
Reference Well:	Ardourel 33081718 #5HL	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	Grand Junction
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design 33N 08W Sec 18 - Ardourel 33081718 #7HL - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+HDGM													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
15,400.00	7,106.77	15,798.05	7,075.00	251.55	251.46	-88.59	2,807.91	8,054.50	1,292.61	789.76	502.85	2.571		
15,500.00	7,106.94	15,898.05	7,074.73	254.57	254.47	-88.57	2,807.29	8,154.49	1,293.02	784.15	508.87	2.541		
15,600.00	7,107.12	15,998.04	7,074.46	257.58	257.48	-88.55	2,806.68	8,254.49	1,293.43	778.53	514.89	2.512		
15,700.00	7,107.30	16,098.04	7,074.18	260.60	260.48	-88.53	2,806.07	8,354.49	1,293.83	772.91	520.92	2.484		
15,800.00	7,107.48	16,198.04	7,073.91	263.61	263.49	-88.51	2,805.46	8,454.48	1,294.24	767.30	526.94	2.456		
15,900.00	7,107.66	16,298.04	7,073.63	266.63	266.50	-88.49	2,804.84	8,554.48	1,294.65	761.68	532.97	2.429		
16,000.00	7,107.84	16,398.04	7,073.36	269.65	269.51	-88.47	2,804.23	8,654.47	1,295.06	756.06	539.00	2.403		
16,100.00	7,108.02	16,498.03	7,073.09	272.66	272.52	-88.46	2,803.62	8,754.47	1,295.46	750.44	545.02	2.377		
16,200.00	7,108.20	16,598.03	7,072.81	275.68	275.53	-88.44	2,803.00	8,854.47	1,295.87	744.82	551.05	2.352		
16,300.00	7,108.38	16,698.03	7,072.54	278.70	278.54	-88.42	2,802.39	8,954.46	1,296.28	739.20	557.08	2.327		
16,400.00	7,108.56	16,798.03	7,072.26	281.72	281.55	-88.40	2,801.78	9,054.46	1,296.69	733.58	563.11	2.303		
16,500.00	7,108.73	16,898.03	7,071.99	284.74	284.57	-88.38	2,801.17	9,154.45	1,297.10	727.96	569.14	2.279		
16,600.00	7,108.91	16,998.03	7,071.72	287.76	287.58	-88.36	2,800.55	9,254.45	1,297.51	722.34	575.17	2.256		
16,700.00	7,109.09	17,098.02	7,071.44	290.78	290.59	-88.34	2,799.94	9,354.45	1,297.91	716.71	581.20	2.233		
16,800.00	7,109.27	17,198.02	7,071.17	293.80	293.61	-88.32	2,799.33	9,454.44	1,298.32	711.09	587.23	2.211		
16,900.00	7,109.45	17,298.02	7,070.90	296.82	296.62	-88.30	2,798.72	9,554.44	1,298.73	705.47	593.26	2.189		
17,000.00	7,109.63	17,398.02	7,070.62	299.84	299.63	-88.28	2,798.10	9,654.43	1,299.14	699.85	599.30	2.168		
17,100.00	7,109.81	17,498.02	7,070.35	302.86	302.65	-88.26	2,797.49	9,754.43	1,299.55	694.22	605.33	2.147		
17,200.00	7,109.99	17,598.01	7,070.07	305.88	305.66	-88.24	2,796.88	9,854.43	1,299.96	688.60	611.36	2.126		
17,300.00	7,110.17	17,698.01	7,069.80	308.90	308.68	-88.22	2,796.26	9,954.42	1,300.37	682.97	617.40	2.106		
17,327.87	7,110.22	17,725.89	7,069.72	309.74	309.52	-88.22	2,796.09	9,982.29	1,300.49	681.41	619.08	2.101 SF		

Company:	NueVida Resources, LLC	Local Co-ordinate Reference:	Well Ardourel 33081718 #5HL - Slot 5
Project:	La Plata County, CO (NAD83)	TVD Reference:	GL 6719' & RKB 25' @ 6744.00ft
Reference Site:	33N 08W Sec 18	MD Reference:	GL 6719' & RKB 25' @ 6744.00ft
Site Error:	0.00 ft	North Reference:	Grid
Reference Well:	Ardourel 33081718 #5HL	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	Grand Junction
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design 33N 08W Sec 18 - Harmon DK-MR-GU 1 (PA) - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 100-UNKNOWN													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,600.00	7,103.54	7,052.54	7,052.54	197.39	282.10	87.93	1,401.34	8,472.47	2,229.65	1,909.77	319.87	6.970		
13,700.00	7,103.72	7,052.72	7,052.72	200.39	282.11	88.02	1,401.34	8,472.47	2,129.77	1,809.59	320.19	6.652		
13,800.00	7,103.90	7,052.90	7,052.90	203.39	282.12	88.11	1,401.34	8,472.47	2,029.91	1,709.37	320.54	6.333		
13,900.00	7,104.08	7,053.08	7,053.08	206.40	282.12	88.21	1,401.34	8,472.47	1,930.07	1,609.14	320.93	6.014		
14,000.00	7,104.26	7,053.26	7,053.26	209.40	282.13	88.30	1,401.34	8,472.47	1,830.24	1,508.87	321.37	5.695		
14,100.00	7,104.44	7,053.44	7,053.44	212.41	282.14	88.39	1,401.34	8,472.47	1,730.43	1,408.56	321.88	5.376		
14,200.00	7,104.62	7,053.62	7,053.62	215.42	282.14	88.48	1,401.34	8,472.47	1,630.65	1,308.20	322.45	5.057		
14,300.00	7,104.80	7,053.80	7,053.80	218.42	282.15	88.58	1,401.34	8,472.47	1,530.89	1,207.77	323.12	4.738		
14,400.00	7,104.98	7,053.98	7,053.98	221.43	282.16	88.67	1,401.34	8,472.47	1,431.17	1,107.27	323.89	4.419		
14,500.00	7,105.15	7,054.15	7,054.15	224.44	282.17	88.76	1,401.34	8,472.47	1,331.49	1,006.67	324.81	4.099		
14,600.00	7,105.33	7,054.33	7,054.33	227.45	282.17	88.86	1,401.34	8,472.47	1,231.86	905.94	325.92	3.780		
14,700.00	7,105.51	7,054.51	7,054.51	230.46	282.18	88.95	1,401.34	8,472.47	1,132.29	805.03	327.26	3.460		
14,800.00	7,105.69	7,054.69	7,054.69	233.47	282.19	89.04	1,401.34	8,472.47	1,032.81	703.90	328.91	3.140		
14,900.00	7,105.87	7,054.87	7,054.87	236.49	282.19	89.14	1,401.34	8,472.47	933.44	602.44	331.00	2.820		
15,000.00	7,106.05	7,055.05	7,055.05	239.50	282.20	89.23	1,401.34	8,472.47	834.22	500.53	333.70	2.500		
15,100.00	7,106.23	7,055.23	7,055.23	242.51	282.21	89.32	1,401.34	8,472.47	735.22	397.96	337.26	2.180		
15,200.00	7,106.41	7,055.41	7,055.41	245.52	282.22	89.42	1,401.34	8,472.47	636.52	294.39	342.12	1.860	Collision Risk Procedures Req.	
15,300.00	7,106.59	7,055.59	7,055.59	248.54	282.22	89.51	1,401.34	8,472.47	538.30	189.26	349.04	1.542	Collision Risk Procedures Req.	
15,400.00	7,106.77	7,055.77	7,055.77	251.55	282.23	89.60	1,401.34	8,472.47	440.89	81.51	359.38	1.227	Collision Avoidance Req.	
15,500.00	7,106.94	7,055.94	7,055.94	254.57	282.24	89.70	1,401.34	8,472.47	344.96	-30.96	375.93	0.918	No-Go Zone - Stop Drilling	
15,600.00	7,107.12	7,056.12	7,056.12	257.58	282.24	89.79	1,401.34	8,472.47	252.22	-152.63	404.84	0.623	No-Go Zone - Stop Drilling	
15,700.00	7,107.30	7,056.30	7,056.30	260.60	282.25	89.88	1,401.34	8,472.47	168.01	-292.02	460.03	0.365	No-Go Zone - Stop Drilling	
15,800.00	7,107.48	7,056.48	7,056.48	263.61	282.26	89.97	1,401.34	8,472.47	113.32	-426.66	539.98	0.210	No-Go Zone - Stop Drilling	
15,826.93	7,107.53	7,056.53	7,056.53	264.43	282.26	90.00	1,401.34	8,472.47	110.07	-436.53	546.60	0.201	No-Go Zone - Stop Drilling, CC, ES, SF	
15,900.00	7,107.66	7,056.66	7,056.66	266.63	282.27	90.07	1,401.34	8,472.47	132.12	-369.34	501.45	0.263	No-Go Zone - Stop Drilling	
16,000.00	7,107.84	7,056.84	7,056.84	269.65	282.27	90.16	1,401.34	8,472.47	205.11	-219.27	424.37	0.483	No-Go Zone - Stop Drilling	
16,100.00	7,108.02	7,057.02	7,057.02	272.66	282.28	90.25	1,401.34	8,472.47	294.42	-88.95	383.37	0.768	No-Go Zone - Stop Drilling	
16,200.00	7,108.20	7,057.20	7,057.20	275.68	282.29	90.35	1,401.34	8,472.47	388.97	27.53	361.44	1.076	Collision Avoidance Req.	
16,300.00	7,108.38	7,057.38	7,057.38	278.70	282.30	90.44	1,401.34	8,472.47	485.71	137.15	348.56	1.393	Collision Avoidance Req.	
16,400.00	7,108.56	7,057.56	7,057.56	281.72	282.30	90.53	1,401.34	8,472.47	583.54	243.12	340.42	1.714	Collision Risk Procedures Req.	
16,500.00	7,108.73	7,057.73	7,057.73	284.74	282.31	90.63	1,401.34	8,472.47	682.01	347.02	334.99	2.036		
16,600.00	7,108.91	7,057.91	7,057.91	287.76	282.32	90.72	1,401.34	8,472.47	780.87	449.64	331.23	2.357		
16,700.00	7,109.09	7,058.09	7,058.09	290.78	282.32	90.81	1,401.34	8,472.47	879.98	551.45	328.53	2.679		
16,800.00	7,109.27	7,058.27	7,058.27	293.80	282.33	90.91	1,401.34	8,472.47	979.27	652.72	326.56	2.999		
16,900.00	7,109.45	7,058.45	7,058.45	296.82	282.34	91.00	1,401.34	8,472.47	1,078.70	753.62	325.08	3.318		
17,000.00	7,109.63	7,058.63	7,058.63	299.84	282.35	91.09	1,401.34	8,472.47	1,178.22	854.26	323.96	3.637		
17,100.00	7,109.81	7,058.81	7,058.81	302.86	282.35	91.19	1,401.34	8,472.47	1,277.82	954.72	323.09	3.955		
17,200.00	7,109.99	7,058.99	7,058.99	305.88	282.36	91.28	1,401.34	8,472.47	1,377.47	1,055.05	322.42	4.272		
17,300.00	7,110.17	7,059.17	7,059.17	308.90	282.37	91.37	1,401.34	8,472.47	1,477.17	1,155.28	321.90	4.589		
17,327.87	7,110.22	7,059.22	7,059.22	309.74	282.37	91.40	1,401.34	8,472.47	1,504.97	1,183.20	321.77	4.677		

Company:	NueVida Resources, LLC	Local Co-ordinate Reference:	Well Ardourel 33081718 #5HL - Slot 5
Project:	La Plata County, CO (NAD83)	TVD Reference:	GL 6719' & RKB 25' @ 6744.00ft
Reference Site:	33N 08W Sec 18	MD Reference:	GL 6719' & RKB 25' @ 6744.00ft
Site Error:	0.00 ft	North Reference:	Grid
Reference Well:	Ardourel 33081718 #5HL	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	Grand Junction
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design 33N 08W Sec 18 - Julian MVRD Unit #1 (PR) - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 100-UNKNOWN													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	37.08	1,809.31	1,367.27	2,268.47					
100.00	100.00	46.00	46.00	0.27	1.84	37.08	1,809.31	1,367.27	2,267.82	2,265.72	2.11	1,075.327		
200.00	200.00	146.00	146.00	0.63	5.84	37.08	1,809.31	1,367.27	2,267.82	2,261.36	6.47	350.659		
300.00	300.00	246.00	246.00	0.99	9.84	37.08	1,809.31	1,367.27	2,267.82	2,257.00	10.83	209.483		
400.00	400.00	346.00	346.00	1.34	13.84	37.08	1,809.31	1,367.27	2,267.82	2,252.64	15.18	149.354		
500.00	500.00	446.00	446.00	1.70	17.84	37.08	1,809.31	1,367.27	2,267.82	2,248.28	19.54	116.044		
600.00	599.98	545.98	545.98	2.06	21.84	51.36	1,809.31	1,367.27	2,266.73	2,242.83	23.90	94.841		
700.00	699.84	645.84	645.84	2.42	25.83	51.52	1,809.31	1,367.27	2,263.47	2,235.21	28.25	80.110		
800.00	799.45	745.45	745.45	2.79	29.82	51.77	1,809.31	1,367.27	2,258.05	2,225.45	32.60	69.262		
900.00	898.70	844.70	844.70	3.15	33.79	52.14	1,809.31	1,367.27	2,250.50	2,213.56	36.94	60.924		
1,000.00	997.47	943.47	943.47	3.53	37.74	52.60	1,809.31	1,367.27	2,240.88	2,199.61	41.27	54.304		
1,100.00	1,095.62	1,041.62	1,041.62	3.92	41.66	53.18	1,809.31	1,367.27	2,229.23	2,183.65	45.58	48.910		
1,200.00	1,193.06	1,139.06	1,139.06	4.34	45.56	53.85	1,809.31	1,367.27	2,215.63	2,165.75	49.88	44.422		
1,300.00	1,289.79	1,235.79	1,235.79	4.78	49.43	54.48	1,809.31	1,367.27	2,200.47	2,146.31	54.16	40.627		
1,400.00	1,386.44	1,332.44	1,332.44	5.23	53.30	55.02	1,809.31	1,367.27	2,185.32	2,126.87	58.45	37.385		
1,500.00	1,483.08	1,429.08	1,429.08	5.69	57.16	55.56	1,809.31	1,367.27	2,170.36	2,107.61	62.75	34.585		
1,600.00	1,579.73	1,525.73	1,525.73	6.16	61.03	56.11	1,809.31	1,367.27	2,155.61	2,088.55	67.06	32.143		
1,700.00	1,676.38	1,622.38	1,622.38	6.63	64.90	56.67	1,809.31	1,367.27	2,141.06	2,069.68	71.38	29.996		
1,800.00	1,773.03	1,719.03	1,719.03	7.11	68.76	57.23	1,809.31	1,367.27	2,126.73	2,051.03	75.70	28.095		
1,900.00	1,869.68	1,815.68	1,815.68	7.59	72.63	57.81	1,809.31	1,367.27	2,112.60	2,032.58	80.02	26.400		
2,000.00	1,966.32	1,912.32	1,912.32	8.07	76.49	58.38	1,809.31	1,367.27	2,098.70	2,014.35	84.35	24.880		
2,100.00	2,062.97	2,008.97	2,008.97	8.56	80.36	58.97	1,809.31	1,367.27	2,085.02	1,996.33	88.69	23.510		
2,200.00	2,159.62	2,105.62	2,105.62	9.05	84.22	59.56	1,809.31	1,367.27	2,071.57	1,978.54	93.03	22.269		
2,300.00	2,256.27	2,202.27	2,202.27	9.54	88.09	60.16	1,809.31	1,367.27	2,058.35	1,960.98	97.37	21.140		
2,400.00	2,352.92	2,298.92	2,298.92	10.03	91.96	60.77	1,809.31	1,367.27	2,045.36	1,943.65	101.71	20.110		
2,500.00	2,449.56	2,395.56	2,395.56	10.53	95.82	61.39	1,809.31	1,367.27	2,032.62	1,926.56	106.06	19.165		
2,600.00	2,546.21	2,492.21	2,492.21	11.02	99.69	62.01	1,809.31	1,367.27	2,020.13	1,909.72	110.41	18.297		
2,700.00	2,642.86	2,588.86	2,588.86	11.52	103.55	62.64	1,809.31	1,367.27	2,007.88	1,893.12	114.76	17.496		
2,800.00	2,739.51	2,685.51	2,685.51	12.02	107.42	63.28	1,809.31	1,367.27	1,995.89	1,876.77	119.12	16.755		
2,900.00	2,836.16	2,782.16	2,782.16	12.51	111.29	63.92	1,809.31	1,367.27	1,984.16	1,860.68	123.48	16.069		
3,000.00	2,932.80	2,878.80	2,878.80	13.01	115.15	64.57	1,809.31	1,367.27	1,972.69	1,844.86	127.84	15.431		
3,100.00	3,029.45	2,975.45	2,975.45	13.51	119.02	65.23	1,809.31	1,367.27	1,961.50	1,829.29	132.20	14.837		
3,200.00	3,126.10	3,072.10	3,072.10	14.01	122.88	65.90	1,809.31	1,367.27	1,950.57	1,814.01	136.57	14.283		
3,300.00	3,222.75	3,168.75	3,168.75	14.51	126.75	66.57	1,809.31	1,367.27	1,939.93	1,798.99	140.94	13.765		
3,400.00	3,319.40	3,265.40	3,265.40	15.01	130.62	67.25	1,809.31	1,367.27	1,929.57	1,784.26	145.31	13.279		
3,500.00	3,416.05	3,362.05	3,362.05	15.51	134.48	67.94	1,809.31	1,367.27	1,919.49	1,769.81	149.68	12.824		
3,600.00	3,512.69	3,458.69	3,458.69	16.01	138.35	68.63	1,809.31	1,367.27	1,909.71	1,755.66	154.05	12.397		
3,700.00	3,609.34	3,555.34	3,555.34	16.51	142.21	69.33	1,809.31	1,367.27	1,900.22	1,741.80	158.43	11.994		
3,800.00	3,705.99	3,651.99	3,651.99	17.02	146.08	70.04	1,809.31	1,367.27	1,891.04	1,728.24	162.80	11.615		
3,900.00	3,802.64	3,748.64	3,748.64	17.52	149.95	70.75	1,809.31	1,367.27	1,882.16	1,714.98	167.18	11.258		
4,000.00	3,899.29	3,845.29	3,845.29	18.02	153.81	71.47	1,809.31	1,367.27	1,873.59	1,702.03	171.56	10.921		
4,100.00	3,995.93	3,941.93	3,941.93	18.52	157.68	72.19	1,809.31	1,367.27	1,865.33	1,689.39	175.94	10.602		
4,200.00	4,092.58	4,038.58	4,038.58	19.03	161.54	72.92	1,809.31	1,367.27	1,857.40	1,677.07	180.32	10.300		
4,300.00	4,189.23	4,135.23	4,135.23	19.53	165.41	73.66	1,809.31	1,367.27	1,849.78	1,665.07	184.71	10.015		
4,400.00	4,285.88	4,231.88	4,231.88	20.03	169.28	74.40	1,809.31	1,367.27	1,842.49	1,653.40	189.09	9.744		
4,500.00	4,382.53	4,328.53	4,328.53	20.54	173.14	75.15	1,809.31	1,367.27	1,835.53	1,642.06	193.47	9.487		
4,600.00	4,479.17	4,425.17	4,425.17	21.04	177.01	75.90	1,809.31	1,367.27	1,828.91	1,631.05	197.86	9.243		
4,700.00	4,575.82	4,521.82	4,521.82	21.54	180.87	76.66	1,809.31	1,367.27	1,822.62	1,620.38	202.24	9.012		
4,800.00	4,672.47	4,618.47	4,618.47	22.05	184.74	77.42	1,809.31	1,367.27	1,816.68	1,610.05	206.63	8.792		
4,900.00	4,769.12	4,715.12	4,715.12	22.55	188.60	78.19	1,809.31	1,367.27	1,811.07	1,600.06	211.02	8.583		
5,000.00	4,865.77	4,811.77	4,811.77	23.06	192.47	78.96	1,809.31	1,367.27	1,805.82	1,590.42	215.40	8.383		
5,100.00	4,962.41	4,908.41	4,908.41	23.56	196.34	79.74	1,809.31	1,367.27	1,800.92	1,581.13	219.79	8.194		

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

Company:	NueVida Resources, LLC	Local Co-ordinate Reference:	Well Ardourel 33081718 #5HL - Slot 5
Project:	La Plata County, CO (NAD83)	TVD Reference:	GL 6719' & RKB 25' @ 6744.00ft
Reference Site:	33N 08W Sec 18	MD Reference:	GL 6719' & RKB 25' @ 6744.00ft
Site Error:	0.00 ft	North Reference:	Grid
Reference Well:	Ardourel 33081718 #5HL	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	Grand Junction
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design 33N 08W Sec 18 - Julian MVRD Unit #1 (PR) - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 100-UNKNOWN													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,200.00	5,059.06	5,005.06	5,005.06	24.06	200.20	80.52	1,809.31	1,367.27	1,796.37	1,572.19	224.17	8.013		
5,300.00	5,155.71	5,101.71	5,101.71	24.57	204.07	81.30	1,809.31	1,367.27	1,792.17	1,563.62	228.56	7.841		
5,400.00	5,252.36	5,198.36	5,198.36	25.07	207.93	82.09	1,809.31	1,367.27	1,788.34	1,555.40	232.94	7.677		
5,500.00	5,349.01	5,295.01	5,295.01	25.58	211.80	82.88	1,809.31	1,367.27	1,784.87	1,547.54	237.32	7.521		
5,600.00	5,445.65	5,391.65	5,391.65	26.08	215.67	83.67	1,809.31	1,367.27	1,781.76	1,540.05	241.71	7.372		
5,700.00	5,542.30	5,488.30	5,488.30	26.59	219.53	84.46	1,809.31	1,367.27	1,779.01	1,532.92	246.09	7.229		
5,800.00	5,638.95	5,584.95	5,584.95	27.09	223.40	85.26	1,809.31	1,367.27	1,776.63	1,526.16	250.47	7.093		
5,882.56	5,718.74	5,630.00	5,630.00	27.51	225.20	85.63	1,809.31	1,367.27	1,775.29	1,522.63	252.65	7.027		
5,900.00	5,735.60	5,630.00	5,630.00	27.60	225.20	85.63	1,809.31	1,367.27	1,775.37	1,522.69	252.69	7.026 SF		
6,000.00	5,832.25	5,630.00	5,630.00	28.10	225.20	85.63	1,809.31	1,367.27	1,779.17	1,526.72	252.45	7.048		
6,100.00	5,928.89	5,630.00	5,630.00	28.61	225.20	85.63	1,809.31	1,367.27	1,788.56	1,537.08	251.48	7.112		
6,200.00	6,025.54	5,630.00	5,630.00	29.11	225.20	85.63	1,809.31	1,367.27	1,803.45	1,553.64	249.81	7.219		
6,300.00	6,122.19	5,630.00	5,630.00	29.62	225.20	85.63	1,809.31	1,367.27	1,823.71	1,576.22	247.49	7.369		
6,400.00	6,218.84	5,630.00	5,630.00	30.12	225.20	85.63	1,809.31	1,367.27	1,849.17	1,604.57	244.59	7.560		
6,500.00	6,315.49	5,630.00	5,630.00	30.63	225.20	85.63	1,809.31	1,367.27	1,879.60	1,638.42	241.19	7.793		
6,600.00	6,412.23	5,630.00	5,630.00	31.12	225.20	67.65	1,809.31	1,367.27	1,912.52	1,675.22	237.30	8.059		
6,700.00	6,508.63	5,630.00	5,630.00	31.57	225.20	40.92	1,809.31	1,367.27	1,938.52	1,705.78	232.74	8.329		
6,800.00	6,602.90	5,630.00	5,630.00	31.95	225.20	24.08	1,809.31	1,367.27	1,956.44	1,728.94	227.50	8.600		
6,900.00	6,693.21	5,630.00	5,630.00	32.27	225.20	14.34	1,809.31	1,367.27	1,966.16	1,744.56	221.60	8.873		
7,000.00	6,777.80	5,630.00	5,630.00	32.53	225.20	8.36	1,809.31	1,367.27	1,967.62	1,752.54	215.08	9.148		
7,092.76	6,849.71	5,630.00	5,630.00	32.73	225.20	4.59	1,809.31	1,367.27	1,961.58	1,753.06	208.52	9.407		
7,100.00	6,855.02	5,630.00	5,630.00	32.75	225.20	4.34	1,809.31	1,367.27	1,960.81	1,752.82	207.99	9.427		
7,196.32	6,921.04	5,630.00	5,630.00	32.91	225.20	1.50	1,809.31	1,367.27	1,946.46	1,745.80	200.66	9.700		
7,200.00	6,923.38	5,630.00	5,630.00	32.92	225.20	1.41	1,809.31	1,367.27	1,945.76	1,745.39	200.37	9.711		
7,297.05	6,979.97	5,630.00	5,630.00	33.04	225.20	-0.87	1,809.31	1,367.27	1,923.39	1,730.84	192.55	9.989		
7,300.00	6,981.53	5,630.00	5,630.00	33.04	225.20	-0.93	1,809.31	1,367.27	1,922.59	1,730.29	192.31	9.998		
7,396.77	7,027.02	5,630.00	5,630.00	33.12	225.20	-2.90	1,809.31	1,367.27	1,892.59	1,708.45	184.14	10.278		
7,400.00	7,028.35	5,630.00	5,630.00	33.13	225.20	-2.96	1,809.31	1,367.27	1,891.46	1,707.60	183.87	10.287		
7,496.13	7,061.83	5,630.00	5,630.00	33.19	225.20	-4.79	1,809.31	1,367.27	1,854.24	1,678.75	175.49	10.566		
7,500.00	7,062.93	5,630.00	5,630.00	33.19	225.20	-4.86	1,809.31	1,367.27	1,852.59	1,677.44	175.15	10.577		
7,595.39	7,083.88	5,630.00	5,630.00	33.26	225.20	-6.70	1,809.31	1,367.27	1,808.57	1,641.86	166.70	10.849		
7,600.00	7,084.59	5,630.00	5,630.00	33.27	225.20	-6.79	1,809.31	1,367.27	1,806.27	1,639.98	166.29	10.862		
7,694.64	7,092.81	5,630.00	5,630.00	33.53	225.20	-8.76	1,809.31	1,367.27	1,755.88	1,597.99	157.89	11.121		
7,700.00	7,092.91	5,630.00	5,630.00	33.56	225.20	-8.88	1,809.31	1,367.27	1,752.84	1,595.42	157.42	11.135		
7,793.71	7,093.77	5,630.00	5,630.00	34.53	225.20	-9.09	1,809.31	1,367.27	1,700.83	1,551.97	148.86	11.425		
7,800.00	7,093.16	5,630.00	5,630.00	34.62	225.20	-9.11	1,809.31	1,367.27	1,696.93	1,548.62	148.31	11.442		
7,892.30	7,093.33	5,630.00	5,630.00	36.15	225.20	-9.11	1,809.31	1,367.27	1,648.97	1,509.72	139.25	11.842		
7,900.00	7,093.34	5,630.00	5,630.00	36.29	225.20	-9.11	1,809.31	1,367.27	1,645.14	1,506.68	138.46	11.882		
7,990.82	7,093.50	5,630.00	5,630.00	38.03	225.20	-9.11	1,809.31	1,367.27	1,602.07	1,473.17	128.90	12.429		
8,000.00	7,093.52	5,630.00	5,630.00	38.21	225.20	-9.11	1,809.31	1,367.27	1,597.93	1,470.03	127.90	12.494		
8,089.27	7,093.68	5,630.00	5,630.00	40.06	225.20	-9.11	1,809.31	1,367.27	1,560.01	1,442.07	117.94	13.228		
8,100.00	7,093.70	5,630.00	5,630.00	40.28	225.20	-9.11	1,809.31	1,367.27	1,555.73	1,439.03	116.71	13.330		
8,187.65	7,093.85	5,630.00	5,630.00	42.21	225.20	-9.11	1,809.31	1,367.27	1,523.19	1,416.69	106.49	14.303		
8,200.00	7,093.88	5,630.00	5,630.00	42.48	225.20	-9.11	1,809.31	1,367.27	1,518.95	1,413.92	105.03	14.462		
8,285.96	7,094.03	5,630.00	5,630.00	44.46	225.20	-9.11	1,809.31	1,367.27	1,491.97	1,397.17	94.81	15.737		
8,300.00	7,094.06	5,630.00	5,630.00	44.78	225.20	-9.11	1,809.31	1,367.27	1,487.99	1,394.86	93.14	15.977		
8,384.21	7,094.21	5,630.00	5,630.00	46.78	225.20	-9.11	1,809.31	1,367.27	1,466.71	1,383.46	83.26	17.617		
8,400.00	7,094.23	5,630.00	5,630.00	47.16	225.20	-9.11	1,809.31	1,367.27	1,463.23	1,381.78	81.45	17.965		
8,482.39	7,094.38	5,630.00	5,630.00	49.18	225.20	-9.11	1,809.31	1,367.27	1,447.70	1,375.18	72.52	19.963		
8,500.00	7,094.41	5,630.00	5,630.00	49.61	225.20	-9.11	1,809.31	1,367.27	1,444.97	1,374.21	70.76	20.421		
8,580.52	7,094.56	5,630.00	5,630.00	51.64	225.20	-9.11	1,809.31	1,367.27	1,435.18	1,371.36	63.82	22.487		
8,600.00	7,094.59	5,630.00	5,630.00	52.13	225.20	-9.11	1,809.31	1,367.27	1,433.48	1,370.97	62.51	22.934		

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

Company:	NueVida Resources, LLC	Local Co-ordinate Reference:	Well Ardourel 33081718 #5HL - Slot 5
Project:	La Plata County, CO (NAD83)	TVD Reference:	GL 6719' & RKB 25' @ 6744.00ft
Reference Site:	33N 08W Sec 18	MD Reference:	GL 6719' & RKB 25' @ 6744.00ft
Site Error:	0.00 ft	North Reference:	Grid
Reference Well:	Ardourel 33081718 #5HL	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	Grand Junction
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

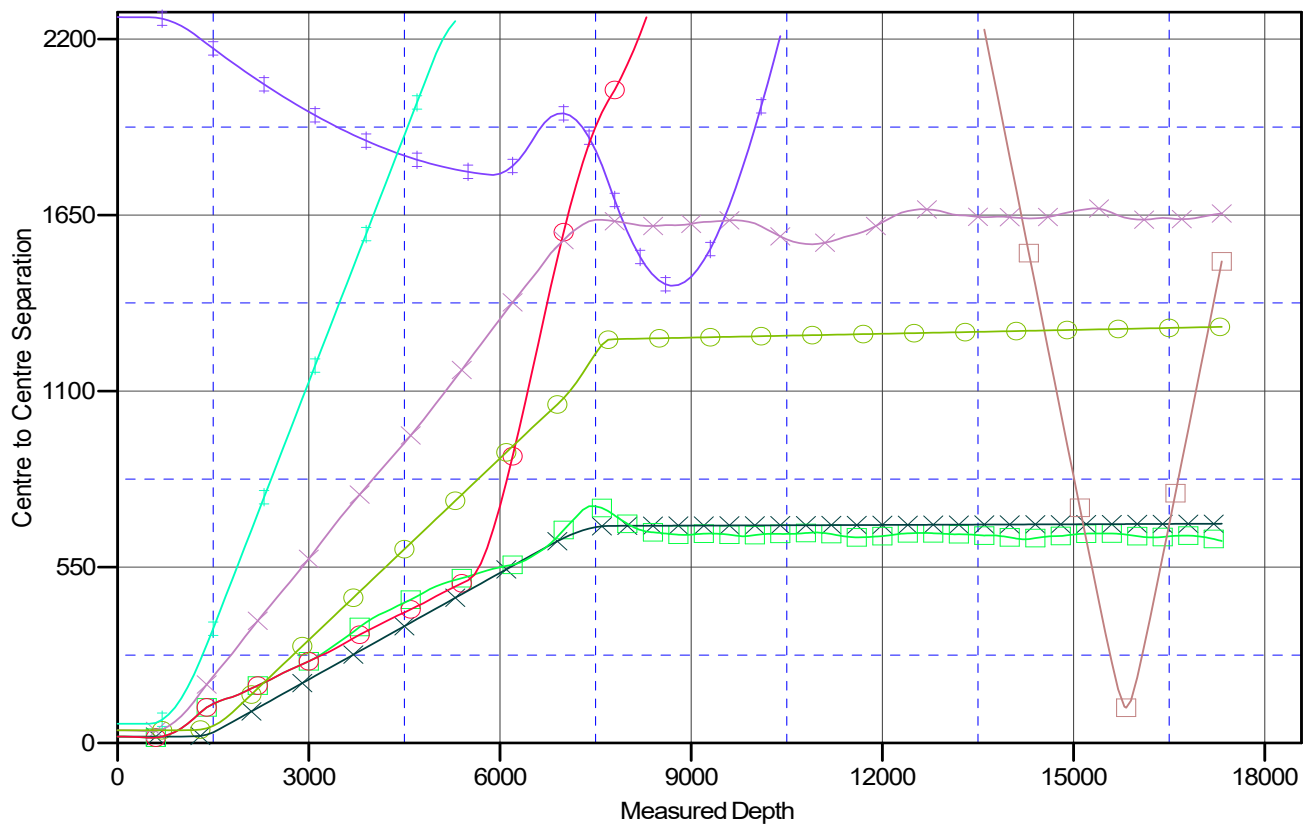
Offset Design 33N 08W Sec 18 - Julian MVRD Unit #1 (PR) - OH - OH										Offset Site Error:		0.00 ft	
Survey Program: 100-UNKNOWN										Offset Well Error:		0.00 ft	
Reference		Offset		Semi Major Axis			Distance					Warning	
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre +N-S	Offset Wellbore Centre +E-W	Between Centres	Between Ellipses	Minimum Separation		Separation Factor
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
8,678.47	7,094.73	5,630.00	5,630.00	54.14	225.20	-9.11	1,809.31	1,367.27	1,429.30	1,370.07	59.23	24.130	
8,700.00	7,094.77	5,630.00	5,630.00	54.69	225.20	-9.11	1,809.31	1,367.27	1,428.91	1,369.90	59.01	24.216	CC
8,800.00	7,094.95	5,630.00	5,630.00	57.31	225.20	-9.11	1,809.31	1,367.27	1,431.32	1,369.25	62.07	23.059	ES
8,900.00	7,095.13	5,630.00	5,630.00	59.96	225.20	-9.11	1,809.31	1,367.27	1,440.69	1,370.01	70.68	20.383	
9,000.00	7,095.31	5,630.00	5,630.00	62.64	225.20	-9.11	1,809.31	1,367.27	1,456.88	1,374.56	82.32	17.697	
9,100.00	7,095.49	5,630.00	5,630.00	65.36	225.20	-9.11	1,809.31	1,367.27	1,479.67	1,384.50	95.17	15.548	
9,200.00	7,095.67	5,630.00	5,630.00	68.10	225.20	-9.11	1,809.31	1,367.27	1,508.75	1,400.53	108.22	13.941	
9,300.00	7,095.85	5,630.00	5,630.00	70.87	225.20	-9.11	1,809.31	1,367.27	1,543.77	1,422.84	120.94	12.765	
9,400.00	7,096.02	5,630.00	5,630.00	73.65	225.20	-9.11	1,809.31	1,367.27	1,584.35	1,451.33	133.02	11.911	
9,500.00	7,096.20	5,630.00	5,630.00	76.46	225.20	-9.11	1,809.31	1,367.27	1,630.05	1,485.74	144.31	11.295	
9,600.00	7,096.38	5,630.00	5,630.00	79.28	225.20	-9.11	1,809.31	1,367.27	1,680.47	1,525.73	154.74	10.860	
9,700.00	7,096.56	5,630.00	5,630.00	82.12	225.20	-9.11	1,809.31	1,367.27	1,735.19	1,570.89	164.30	10.561	
9,800.00	7,096.74	5,630.00	5,630.00	84.97	225.20	-9.11	1,809.31	1,367.27	1,793.82	1,620.82	173.00	10.369	
9,900.00	7,096.92	5,630.00	5,630.00	87.83	225.20	-9.11	1,809.31	1,367.27	1,855.99	1,675.11	180.88	10.261	
10,000.00	7,097.10	5,630.00	5,630.00	90.71	225.20	-9.11	1,809.31	1,367.27	1,921.36	1,733.35	188.01	10.219	
10,100.00	7,097.28	5,630.00	5,630.00	93.59	225.20	-9.11	1,809.31	1,367.27	1,989.61	1,795.17	194.44	10.233	
10,200.00	7,097.46	5,630.00	5,630.00	96.49	225.20	-9.11	1,809.31	1,367.27	2,060.45	1,860.22	200.22	10.291	
10,300.00	7,097.64	5,630.00	5,630.00	99.39	225.20	-9.11	1,809.31	1,367.27	2,133.63	1,928.19	205.44	10.386	
10,400.00	7,097.81	5,630.00	5,630.00	102.30	225.20	-9.11	1,809.31	1,367.27	2,208.91	1,998.78	210.13	10.512	

Company:	NueVida Resources, LLC	Local Co-ordinate Reference:	Well Ardourel 33081718 #5HL - Slot 5
Project:	La Plata County, CO (NAD83)	TVD Reference:	GL 6719' & RKB 25' @ 6744.00ft
Reference Site:	33N 08W Sec 18	MD Reference:	GL 6719' & RKB 25' @ 6744.00ft
Site Error:	0.00 ft	North Reference:	Grid
Reference Well:	Ardourel 33081718 #5HL	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	Grand Junction
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to GL 6719' & RKB 25' @ 6744.00ft
Offset Depths are relative to Offset Datum
Central Meridian is -105.5000000

Coordinates are relative to: Ardourel 33081718 #5HL - Slot 5
Coordinate System is US State Plane 1983, Colorado Southern Zone
Grid Convergence at Surface is: -1.39°

Ladder Plot



LEGEND

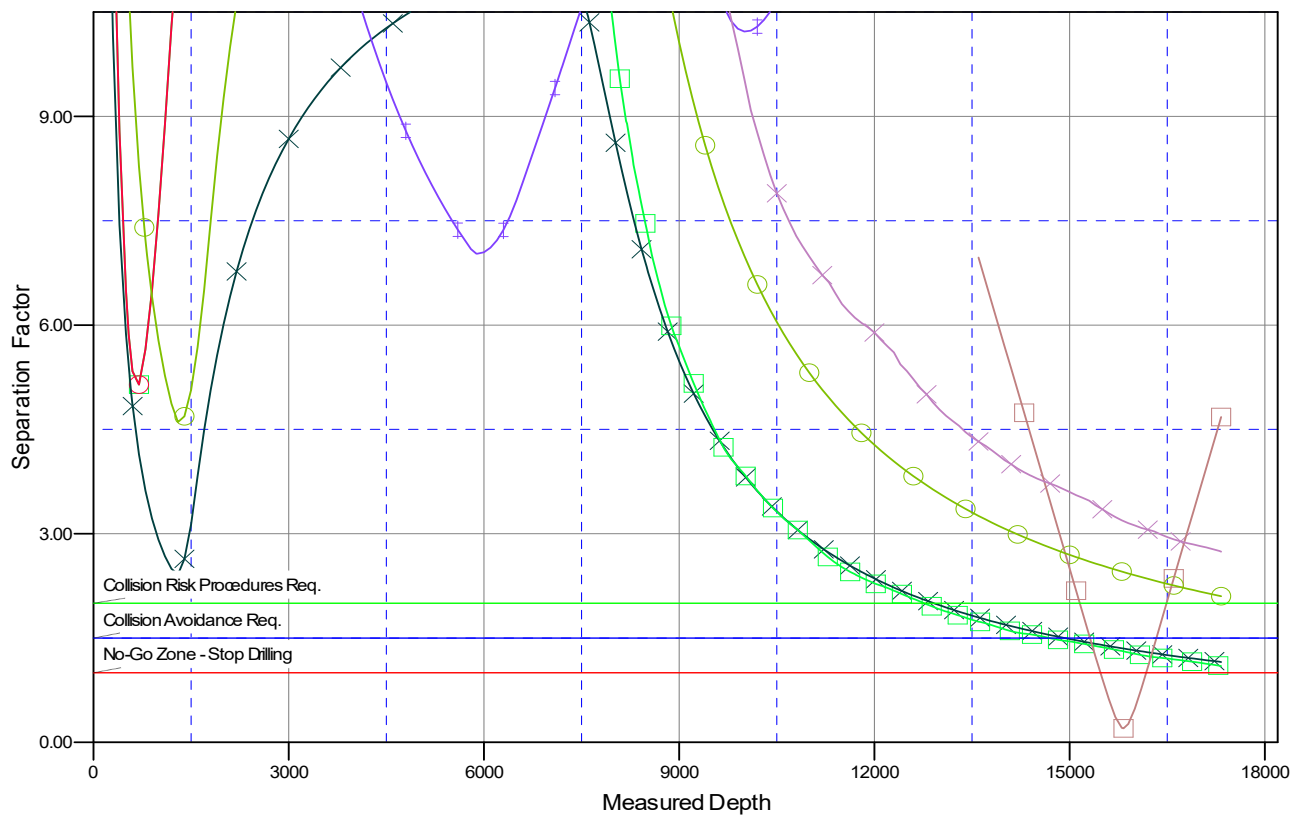
- ✕ Ardourel 33081718 #6HU, OH, Plan#1 V0
- ✕ Ardourel 33081718 #4HU, ST1, ST1 V0
- ✕ Ardourel 33081718 #3HL, OH, OH V0
- ✕ Julian MVRD Unit#1 (PR), OH, OH V0
- ✕ Ardourel 33081718 #4HU, OH, OH V0
- ✕ Ardourel 33081718 #7HL, OH, Plan#1 V0
- ✕ Ardourel 33081718 #2HU, OH, Plan#1 V0
- ✕ Harmon DK-MR-GU 1 (PA), OH, OH V0

Company:	NueVida Resources, LLC	Local Co-ordinate Reference:	Well Ardourel 33081718 #5HL - Slot 5
Project:	La Plata County, CO (NAD83)	TVD Reference:	GL 6719' & RKB 25' @ 6744.00ft
Reference Site:	33N 08W Sec 18	MD Reference:	GL 6719' & RKB 25' @ 6744.00ft
Site Error:	0.00 ft	North Reference:	Grid
Reference Well:	Ardourel 33081718 #5HL	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	Grand Junction
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to GL 6719' & RKB 25' @ 6744.00ft
 Offset Depths are relative to Offset Datum
 Central Meridian is -105.5000000

Coordinates are relative to: Ardourel 33081718 #5HL - Slot 5
 Coordinate System is US State Plane 1983, Colorado Southern Zone
 Grid Convergence at Surface is: -1.39°

Separation Factor Plot



LEGEND

- ✕ Ardourel 33081718 #6HU, OH, Plan#1 V0
- ✚ Julian MVRD Unit#1 (PR), OH, OH V0
- ✚ Ardourel 33081718 #4HU, OH, OH V0
- ✚ Ardourel 33081718 #7HL, OH, Plan#1 V0
- ✚ Ardourel 33081718 #4HU, ST1, ST1 V0
- ✚ Harmon DK-MR-GU 1 (PA), OH, OH V0
- ✚ Ardourel 33081718 #2HU, OH, Plan#1 V0