



Company: NueVida Resources, LLC
Project: La Plata County, CO (NAD83)
Site: 33N 08W Sec 18
Well: Ardourel 33081718 #4HU
Wellbore: OH
Design: Plan #1

PROJECT DETAILS: La Plata County, CO (NAD83)

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



WELL DETAILS: Ardourel 33081718 #4HU

GL 6719' & RKB 22' @ 6741.00ft (Aztec 1000)

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	1166267.57	2338711.87	37.1012470	-107.7676060

Plan: Plan #1 (Ardourel 33081718 #4HU/OH)

Created By: Janie Collins Date: 13:37, March 14 2023

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Ardourel 4HU LP	6889.00	981.33	340.94	1167248.90	2339052.81	37.1039640	-107.7665190
Ardourel 4HU BHL	6839.00	886.88	9838.73	1167154.45	2348550.59	37.1043330	-107.7339540

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect
0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00
2000.00	0.00	0.000	2000.00	0.00	0.00	0.00	0.00	0.00
2671.89	13.44	335.341	2665.75	71.28	-32.72	2.00	335.34	-26.27
6223.19	13.44	335.341	6119.82	821.30	-377.05	0.00	0.00	-302.72
7422.94	90.30	90.570	8899.00	981.33	-340.94	8.00	114.56	426.63
16921.33	90.30	90.570	6839.00	886.88	9838.73	0.00	0.00	9878.62
17030.33	90.30	90.570	6838.43	885.80	9947.73	0.00	0.00	9987.09



Azimuths to Grid North
True North: 1.39°
Magnetic North: 10.06°

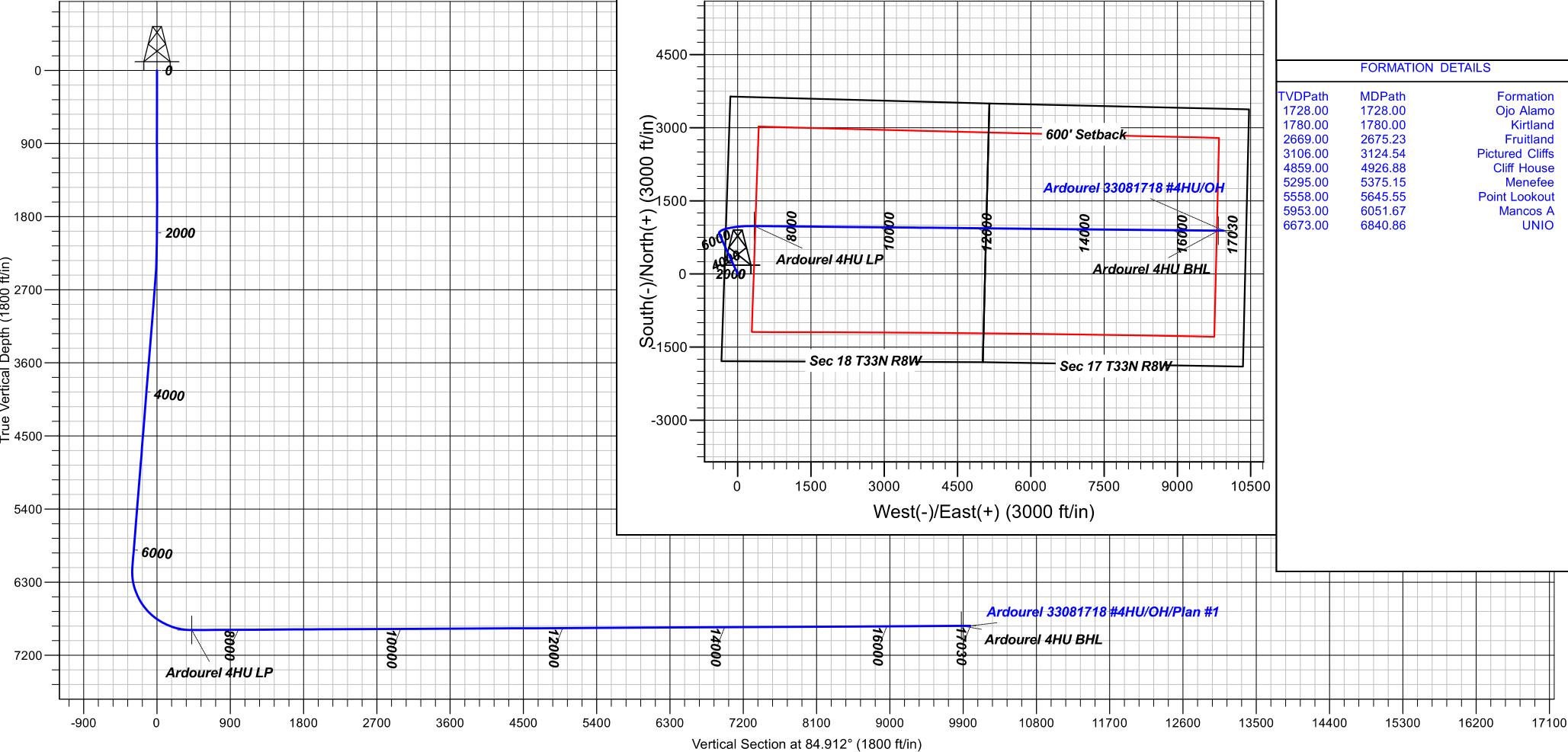
Magnetic Field
Strength: 49495.7nT
Dip Angle: 63.40°
Date: 3/14/2023
Model: HDGM2023

CASING DETAILS

TVD	MD	Name
500.00	500.00	Surface
6250.00	6356.57	Intermediate
6838.43	17030.33	Production

FORMATION DETAILS

TVDPath	MDPath	Formation
1728.00	1728.00	Ojo Alamo
1780.00	1780.00	Kirtland
2669.00	2675.23	Fruitland
3106.00	3124.54	Pictured Cliffs
4859.00	4926.88	Cliff House
5295.00	5375.15	Menefee
5558.00	5645.55	Point Lookout
5953.00	6051.67	Mancos A
6673.00	6840.86	UNIO





NueVida Resources, LLC

La Plata County, CO (NAD83)

33N 08W Sec 18

Ardourel 33081718 #4HU

OH

Plan: Plan #1

Standard Planning Report

14 March, 2023



Database:	Grand Junction	Local Co-ordinate Reference:	Well Ardourel 33081718 #4HU
Company:	NueVida Resources, LLC	TVD Reference:	GL 6719' & RKB 22' @ 6741.00ft (Aztec 1000)
Project:	La Plata County, CO (NAD83)	MD Reference:	GL 6719' & RKB 22' @ 6741.00ft (Aztec 1000)
Site:	33N 08W Sec 18	North Reference:	Grid
Well:	Ardourel 33081718 #4HU	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Project	La Plata County, CO (NAD83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Southern Zone		

Site		33N 08W Sec 18			
Site Position:		Northing:	1,166,247.85 usft	Latitude:	37.1011930
From:	Lat/Long	Easting:	2,338,714.32 usft	Longitude:	-107.7675960
Position Uncertainty:	0.00 ft	Slot Radius:	13.20 in	Grid Convergence:	-1.39 °

Well	Ardourel 33081718 #4HU					
Well Position	+N/-S	19.72 ft	Northing:	1,166,267.56 usft	Latitude:	37.1012469
	+E/-W	-2.44 ft	Easting:	2,338,711.88 usft	Longitude:	-107.7676060
Position Uncertainty		0.00 ft	Wellhead Elevation:		Ground Level:	6,719.00 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2023	3/14/2023	8.67	63.40	49,495.70000000

Design	Plan #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	84.912

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,000.00	0.00	0.000	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,671.89	13.44	335.341	2,665.75	71.28	-32.72	2.00	2.00	0.00	335.34	
6,223.19	13.44	335.341	6,119.82	821.30	-377.05	0.00	0.00	0.00	0.00	
7,422.94	90.30	90.570	6,889.00	981.33	340.94	8.00	6.41	9.60	114.56	Ardourel 4HU LP
16,921.33	90.30	90.570	6,839.00	886.88	9,838.73	0.00	0.00	0.00	0.00	Ardourel 4HU BHL
17,030.33	90.30	90.570	6,838.43	885.80	9,947.73	0.00	0.00	0.00	0.00	

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Project:	La Plata County, CO (NAD83)	MD Reference:	GL 6719' & RKB 22' @ 6741.00ft (Aztec 1000)
Site:	33N 08W Sec 18	North Reference:	Grid
Well:	Ardourel 33081718 #4HU	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.000	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.000	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.000	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.000	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.000	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.000	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.000	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.000	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.000	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.000	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.000	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.000	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.000	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.000	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.000	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.000	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.000	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.000	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.000	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	2.00	335.341	2,099.98	1.59	-0.73	-0.58	2.00	2.00	0.00
2,200.00	4.00	335.341	2,199.84	6.34	-2.91	-2.34	2.00	2.00	0.00
2,300.00	6.00	335.341	2,299.45	14.26	-6.55	-5.26	2.00	2.00	0.00
2,400.00	8.00	335.341	2,398.70	25.34	-11.63	-9.34	2.00	2.00	0.00
2,500.00	10.00	335.341	2,497.47	39.55	-18.16	-14.58	2.00	2.00	0.00
2,600.00	12.00	335.341	2,595.62	56.89	-26.12	-20.97	2.00	2.00	0.00
2,671.89	13.44	335.341	2,665.75	71.28	-32.72	-26.27	2.00	2.00	0.00
2,700.00	13.44	335.341	2,693.09	77.21	-35.45	-28.46	0.00	0.00	0.00
2,800.00	13.44	335.341	2,790.35	98.33	-45.14	-36.24	0.00	0.00	0.00
2,900.00	13.44	335.341	2,887.61	119.45	-54.84	-44.03	0.00	0.00	0.00
3,000.00	13.44	335.341	2,984.87	140.57	-64.54	-51.81	0.00	0.00	0.00
3,100.00	13.44	335.341	3,082.14	161.69	-74.23	-59.60	0.00	0.00	0.00
3,200.00	13.44	335.341	3,179.40	182.81	-83.93	-67.38	0.00	0.00	0.00
3,300.00	13.44	335.341	3,276.66	203.93	-93.62	-75.17	0.00	0.00	0.00
3,400.00	13.44	335.341	3,373.92	225.05	-103.32	-82.95	0.00	0.00	0.00
3,500.00	13.44	335.341	3,471.19	246.17	-113.01	-90.74	0.00	0.00	0.00
3,600.00	13.44	335.341	3,568.45	267.29	-122.71	-98.52	0.00	0.00	0.00
3,700.00	13.44	335.341	3,665.71	288.41	-132.41	-106.30	0.00	0.00	0.00
3,800.00	13.44	335.341	3,762.97	309.53	-142.10	-114.09	0.00	0.00	0.00
3,900.00	13.44	335.341	3,860.23	330.65	-151.80	-121.87	0.00	0.00	0.00
4,000.00	13.44	335.341	3,957.50	351.77	-161.49	-129.66	0.00	0.00	0.00
4,100.00	13.44	335.341	4,054.76	372.89	-171.19	-137.44	0.00	0.00	0.00
4,200.00	13.44	335.341	4,152.02	394.01	-180.89	-145.23	0.00	0.00	0.00
4,300.00	13.44	335.341	4,249.28	415.13	-190.58	-153.01	0.00	0.00	0.00
4,400.00	13.44	335.341	4,346.55	436.25	-200.28	-160.80	0.00	0.00	0.00
4,500.00	13.44	335.341	4,443.81	457.37	-209.97	-168.58	0.00	0.00	0.00
4,600.00	13.44	335.341	4,541.07	478.49	-219.67	-176.36	0.00	0.00	0.00
4,700.00	13.44	335.341	4,638.33	499.61	-229.37	-184.15	0.00	0.00	0.00
4,800.00	13.44	335.341	4,735.60	520.73	-239.06	-191.93	0.00	0.00	0.00
4,900.00	13.44	335.341	4,832.86	541.85	-248.76	-199.72	0.00	0.00	0.00
5,000.00	13.44	335.341	4,930.12	562.97	-258.45	-207.50	0.00	0.00	0.00

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Wellbore:	OH		
Design:	Plan #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,100.00	13.44	335.341	5,027.38	584.09	-268.15	-215.29	0.00	0.00	0.00
5,200.00	13.44	335.341	5,124.64	605.21	-277.84	-223.07	0.00	0.00	0.00
5,300.00	13.44	335.341	5,221.91	626.33	-287.54	-230.86	0.00	0.00	0.00
5,400.00	13.44	335.341	5,319.17	647.45	-297.24	-238.64	0.00	0.00	0.00
5,500.00	13.44	335.341	5,416.43	668.57	-306.93	-246.42	0.00	0.00	0.00
5,600.00	13.44	335.341	5,513.69	689.69	-316.63	-254.21	0.00	0.00	0.00
5,700.00	13.44	335.341	5,610.96	710.81	-326.32	-261.99	0.00	0.00	0.00
5,800.00	13.44	335.341	5,708.22	731.93	-336.02	-269.78	0.00	0.00	0.00
5,900.00	13.44	335.341	5,805.48	753.05	-345.72	-277.56	0.00	0.00	0.00
6,000.00	13.44	335.341	5,902.74	774.17	-355.41	-285.35	0.00	0.00	0.00
6,100.00	13.44	335.341	6,000.00	795.29	-365.11	-293.13	0.00	0.00	0.00
6,200.00	13.44	335.341	6,097.27	816.41	-374.80	-300.92	0.00	0.00	0.00
6,223.19	13.44	335.341	6,119.82	821.30	-377.05	-302.72	0.00	0.00	0.00
6,300.00	12.21	2.745	6,194.78	837.55	-380.39	-304.60	8.00	-1.60	35.68
6,400.00	14.82	35.683	6,292.15	858.53	-372.41	-294.80	8.00	2.61	32.94
6,500.00	20.40	54.948	6,387.50	878.96	-350.65	-271.31	8.00	5.58	19.27
6,600.00	27.18	65.596	6,478.99	898.44	-315.53	-234.60	8.00	6.78	10.65
6,700.00	34.45	72.132	6,564.84	916.58	-267.73	-185.38	8.00	7.28	6.54
6,800.00	41.97	76.592	6,643.37	933.04	-208.18	-124.61	8.00	7.51	4.46
6,900.00	49.61	79.903	6,713.06	947.50	-138.05	-53.47	8.00	7.64	3.31
7,000.00	57.33	82.533	6,772.55	959.66	-58.70	26.65	8.00	7.72	2.63
7,100.00	65.09	84.741	6,820.68	969.31	28.33	114.19	8.00	7.76	2.21
7,200.00	72.88	86.686	6,856.51	976.24	121.35	207.46	8.00	7.79	1.94
7,300.00	80.69	88.473	6,879.36	980.32	218.53	304.62	8.00	7.81	1.79
7,400.00	88.51	90.182	6,888.76	981.48	318.00	403.80	8.00	7.82	1.71
7,422.94	90.30	90.570	6,889.00	981.33	340.94	426.63	8.00	7.82	1.69
7,500.00	90.30	90.570	6,888.59	980.56	418.00	503.32	0.00	0.00	0.00
7,600.00	90.30	90.570	6,888.07	979.57	517.99	602.83	0.00	0.00	0.00
7,700.00	90.30	90.570	6,887.54	978.57	617.98	702.34	0.00	0.00	0.00
7,800.00	90.30	90.570	6,887.02	977.58	717.98	801.85	0.00	0.00	0.00
7,900.00	90.30	90.570	6,886.49	976.58	817.97	901.36	0.00	0.00	0.00
8,000.00	90.30	90.570	6,885.96	975.59	917.96	1,000.88	0.00	0.00	0.00
8,100.00	90.30	90.570	6,885.44	974.60	1,017.96	1,100.39	0.00	0.00	0.00
8,200.00	90.30	90.570	6,884.91	973.60	1,117.95	1,199.90	0.00	0.00	0.00
8,300.00	90.30	90.570	6,884.38	972.61	1,217.94	1,299.41	0.00	0.00	0.00
8,400.00	90.30	90.570	6,883.86	971.61	1,317.94	1,398.92	0.00	0.00	0.00
8,500.00	90.30	90.570	6,883.33	970.62	1,417.93	1,498.43	0.00	0.00	0.00
8,600.00	90.30	90.570	6,882.80	969.62	1,517.93	1,597.94	0.00	0.00	0.00
8,700.00	90.30	90.570	6,882.28	968.63	1,617.92	1,697.45	0.00	0.00	0.00
8,800.00	90.30	90.570	6,881.75	967.64	1,717.91	1,796.97	0.00	0.00	0.00
8,900.00	90.30	90.570	6,881.22	966.64	1,817.91	1,896.48	0.00	0.00	0.00
9,000.00	90.30	90.570	6,880.70	965.65	1,917.90	1,995.99	0.00	0.00	0.00
9,100.00	90.30	90.570	6,880.17	964.65	2,017.89	2,095.50	0.00	0.00	0.00
9,200.00	90.30	90.570	6,879.65	963.66	2,117.89	2,195.01	0.00	0.00	0.00
9,300.00	90.30	90.570	6,879.12	962.66	2,217.88	2,294.52	0.00	0.00	0.00
9,400.00	90.30	90.570	6,878.59	961.67	2,317.88	2,394.03	0.00	0.00	0.00
9,500.00	90.30	90.570	6,878.07	960.68	2,417.87	2,493.55	0.00	0.00	0.00
9,600.00	90.30	90.570	6,877.54	959.68	2,517.86	2,593.06	0.00	0.00	0.00
9,700.00	90.30	90.570	6,877.01	958.69	2,617.86	2,692.57	0.00	0.00	0.00
9,800.00	90.30	90.570	6,876.49	957.69	2,717.85	2,792.08	0.00	0.00	0.00
9,900.00	90.30	90.570	6,875.96	956.70	2,817.84	2,891.59	0.00	0.00	0.00
10,000.00	90.30	90.570	6,875.43	955.70	2,917.84	2,991.10	0.00	0.00	0.00

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Well:	Ardourel 33081718 #4HU	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,100.00	90.30	90.570	6,874.91	954.71	3,017.83	3,090.61	0.00	0.00	0.00
10,200.00	90.30	90.570	6,874.38	953.71	3,117.82	3,190.13	0.00	0.00	0.00
10,300.00	90.30	90.570	6,873.86	952.72	3,217.82	3,289.64	0.00	0.00	0.00
10,400.00	90.30	90.570	6,873.33	951.73	3,317.81	3,389.15	0.00	0.00	0.00
10,500.00	90.30	90.570	6,872.80	950.73	3,417.81	3,488.66	0.00	0.00	0.00
10,600.00	90.30	90.570	6,872.28	949.74	3,517.80	3,588.17	0.00	0.00	0.00
10,700.00	90.30	90.570	6,871.75	948.74	3,617.79	3,687.68	0.00	0.00	0.00
10,800.00	90.30	90.570	6,871.22	947.75	3,717.79	3,787.19	0.00	0.00	0.00
10,900.00	90.30	90.570	6,870.70	946.75	3,817.78	3,886.71	0.00	0.00	0.00
11,000.00	90.30	90.570	6,870.17	945.76	3,917.77	3,986.22	0.00	0.00	0.00
11,100.00	90.30	90.570	6,869.64	944.77	4,017.77	4,085.73	0.00	0.00	0.00
11,200.00	90.30	90.570	6,869.12	943.77	4,117.76	4,185.24	0.00	0.00	0.00
11,300.00	90.30	90.570	6,868.59	942.78	4,217.75	4,284.75	0.00	0.00	0.00
11,400.00	90.30	90.570	6,868.06	941.78	4,317.75	4,384.26	0.00	0.00	0.00
11,500.00	90.30	90.570	6,867.54	940.79	4,417.74	4,483.77	0.00	0.00	0.00
11,600.00	90.30	90.570	6,867.01	939.79	4,517.74	4,583.29	0.00	0.00	0.00
11,700.00	90.30	90.570	6,866.49	938.80	4,617.73	4,682.80	0.00	0.00	0.00
11,800.00	90.30	90.570	6,865.96	937.81	4,717.72	4,782.31	0.00	0.00	0.00
11,900.00	90.30	90.570	6,865.43	936.81	4,817.72	4,881.82	0.00	0.00	0.00
12,000.00	90.30	90.570	6,864.91	935.82	4,917.71	4,981.33	0.00	0.00	0.00
12,100.00	90.30	90.570	6,864.38	934.82	5,017.70	5,080.84	0.00	0.00	0.00
12,200.00	90.30	90.570	6,863.85	933.83	5,117.70	5,180.35	0.00	0.00	0.00
12,300.00	90.30	90.570	6,863.33	932.83	5,217.69	5,279.87	0.00	0.00	0.00
12,400.00	90.30	90.570	6,862.80	931.84	5,317.69	5,379.38	0.00	0.00	0.00
12,500.00	90.30	90.570	6,862.27	930.84	5,417.68	5,478.89	0.00	0.00	0.00
12,600.00	90.30	90.570	6,861.75	929.85	5,517.67	5,578.40	0.00	0.00	0.00
12,700.00	90.30	90.570	6,861.22	928.86	5,617.67	5,677.91	0.00	0.00	0.00
12,800.00	90.30	90.570	6,860.70	927.86	5,717.66	5,777.42	0.00	0.00	0.00
12,900.00	90.30	90.570	6,860.17	926.87	5,817.65	5,876.93	0.00	0.00	0.00
13,000.00	90.30	90.570	6,859.64	925.87	5,917.65	5,976.44	0.00	0.00	0.00
13,100.00	90.30	90.570	6,859.12	924.88	6,017.64	6,075.96	0.00	0.00	0.00
13,200.00	90.30	90.570	6,858.59	923.88	6,117.63	6,175.47	0.00	0.00	0.00
13,300.00	90.30	90.570	6,858.06	922.89	6,217.63	6,274.98	0.00	0.00	0.00
13,400.00	90.30	90.570	6,857.54	921.90	6,317.62	6,374.49	0.00	0.00	0.00
13,500.00	90.30	90.570	6,857.01	920.90	6,417.62	6,474.00	0.00	0.00	0.00
13,600.00	90.30	90.570	6,856.48	919.91	6,517.61	6,573.51	0.00	0.00	0.00
13,700.00	90.30	90.570	6,855.96	918.91	6,617.60	6,673.02	0.00	0.00	0.00
13,800.00	90.30	90.570	6,855.43	917.92	6,717.60	6,772.54	0.00	0.00	0.00
13,900.00	90.30	90.570	6,854.90	916.92	6,817.59	6,872.05	0.00	0.00	0.00
14,000.00	90.30	90.570	6,854.38	915.93	6,917.58	6,971.56	0.00	0.00	0.00
14,100.00	90.30	90.570	6,853.85	914.94	7,017.58	7,071.07	0.00	0.00	0.00
14,200.00	90.30	90.570	6,853.33	913.94	7,117.57	7,170.58	0.00	0.00	0.00
14,300.00	90.30	90.570	6,852.80	912.95	7,217.57	7,270.09	0.00	0.00	0.00
14,400.00	90.30	90.570	6,852.27	911.95	7,317.56	7,369.60	0.00	0.00	0.00
14,500.00	90.30	90.570	6,851.75	910.96	7,417.55	7,469.12	0.00	0.00	0.00
14,600.00	90.30	90.570	6,851.22	909.96	7,517.55	7,568.63	0.00	0.00	0.00
14,700.00	90.30	90.570	6,850.69	908.97	7,617.54	7,668.14	0.00	0.00	0.00
14,800.00	90.30	90.570	6,850.17	907.97	7,717.53	7,767.65	0.00	0.00	0.00
14,900.00	90.30	90.570	6,849.64	906.98	7,817.53	7,867.16	0.00	0.00	0.00
15,000.00	90.30	90.570	6,849.11	905.99	7,917.52	7,966.67	0.00	0.00	0.00
15,100.00	90.30	90.570	6,848.59	904.99	8,017.51	8,066.18	0.00	0.00	0.00
15,200.00	90.30	90.570	6,848.06	904.00	8,117.51	8,165.70	0.00	0.00	0.00

Database:	Grand Junction	Local Co-ordinate Reference:	Well Ardourel 33081718 #4HU
Company:	NueVida Resources, LLC	TVD Reference:	GL 6719' & RKB 22' @ 6741.00ft (Aztec 1000)
Project:	La Plata County, CO (NAD83)	MD Reference:	GL 6719' & RKB 22' @ 6741.00ft (Aztec 1000)
Site:	33N 08W Sec 18	North Reference:	Grid
Well:	Ardourel 33081718 #4HU	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
15,300.00	90.30	90.570	6,847.53	903.00	8,217.50	8,265.21	0.00	0.00	0.00	
15,400.00	90.30	90.570	6,847.01	902.01	8,317.50	8,364.72	0.00	0.00	0.00	
15,500.00	90.30	90.570	6,846.48	901.01	8,417.49	8,464.23	0.00	0.00	0.00	
15,600.00	90.30	90.570	6,845.96	900.02	8,517.48	8,563.74	0.00	0.00	0.00	
15,700.00	90.30	90.570	6,845.43	899.03	8,617.48	8,663.25	0.00	0.00	0.00	
15,800.00	90.30	90.570	6,844.90	898.03	8,717.47	8,762.76	0.00	0.00	0.00	
15,900.00	90.30	90.570	6,844.38	897.04	8,817.46	8,862.28	0.00	0.00	0.00	
16,000.00	90.30	90.570	6,843.85	896.04	8,917.46	8,961.79	0.00	0.00	0.00	
16,100.00	90.30	90.570	6,843.32	895.05	9,017.45	9,061.30	0.00	0.00	0.00	
16,200.00	90.30	90.570	6,842.80	894.05	9,117.44	9,160.81	0.00	0.00	0.00	
16,300.00	90.30	90.570	6,842.27	893.06	9,217.44	9,260.32	0.00	0.00	0.00	
16,400.00	90.30	90.570	6,841.74	892.07	9,317.43	9,359.83	0.00	0.00	0.00	
16,500.00	90.30	90.570	6,841.22	891.07	9,417.43	9,459.34	0.00	0.00	0.00	
16,600.00	90.30	90.570	6,840.69	890.08	9,517.42	9,558.86	0.00	0.00	0.00	
16,700.00	90.30	90.570	6,840.17	889.08	9,617.41	9,658.37	0.00	0.00	0.00	
16,800.00	90.30	90.570	6,839.64	888.09	9,717.41	9,757.88	0.00	0.00	0.00	
16,900.00	90.30	90.570	6,839.11	887.09	9,817.40	9,857.39	0.00	0.00	0.00	
16,921.33	90.30	90.570	6,839.00	886.88	9,838.73	9,878.62	0.00	0.00	0.00	
17,000.00	90.30	90.570	6,838.59	886.10	9,917.39	9,956.90	0.00	0.00	0.00	
17,030.33	90.30	90.570	6,838.43	885.80	9,947.73	9,987.09	0.00	0.00	0.00	

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
Ardourel 4HU BHL	0.00	0.000	6,839.00	886.88	9,838.73	1,167,154.44	2,348,550.59	37.1043330	-107.7339540
- plan hits target center									
- Point									
Ardourel 4HU LP	0.00	0.000	6,889.00	981.33	340.94	1,167,248.89	2,339,052.81	37.1039640	-107.7665190
- plan hits target center									
- Point									

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)	
500.00	500.00	Surface	13.37	17.50	
6,356.57	6,250.00	Intermediate	9.62	12.25	
17,030.33	6,838.43	Production	5.50	8.50	

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Project:	La Plata County, CO (NAD83)	MD Reference:	GL 6719' & RKB 22' @ 6741.00ft (Aztec 1000)
Site:	33N 08W Sec 18	North Reference:	Grid
Well:	Ardourel 33081718 #4HU	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
1,728.00	1,728.00	Ojo Alamo		0.00	0.000	
1,780.00	1,780.00	Kirtland		0.00	0.000	
2,675.23	2,669.00	Fruitland		0.00	0.000	
3,124.54	3,106.00	Pictured Cliffs		0.00	0.000	
4,926.88	4,859.00	Cliff House		0.00	0.000	
5,375.15	5,295.00	Menefee		0.00	0.000	
5,645.55	5,558.00	Point Lookout		0.00	0.000	
6,051.67	5,953.00	Mancos A		0.00	0.000	
6,840.86	6,673.00	UNIO		0.00	0.000	