



Ardourel 33081718 #2HU
OH
Plan #1

GL 6719' & RKB 25' @ 6744.00ft
Northing 1166227.88 Easting 2338716.85 Latitude 37.101138 Longitude -107.767586

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
2 System Datum: Mean Sea Level



PLAN DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	Vsect	Annotation
0.00	0.00	0.000	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	Start Build 2.00
1400.00	18.00	205.000	1385.27	-127.08	-59.26	2.00	-43.01	Start 2960.00 hold at 1400.00 MD
4360.00	18.00	205.000	4200.40	-956.07	-445.82	0.00	-323.57	Start Drop -2.00
5260.00	0.00	0.000	5085.67	-1083.14	-505.08	2.00	-366.58	Start 800.00 hold at 5260.00 MD
6060.00	0.00	0.000	5885.67	-1083.14	-505.08	0.00	-366.58	Start Build 8.00
6210.37	12.03	90.806	6034.93	-1083.36	-489.35	8.00	-350.95	Start 329.37 hold at 6210.37 MD
6539.74	12.03	90.806	6357.07	-1084.33	-420.72	0.00	-282.72	KOP/EOT
7512.12	89.82	90.879	6924.00	-1094.88	277.42	8.00	411.32	LP / 7" Casing
17040.35	89.82	90.879	6954.00	-1241.01	9804.48	0.00	9882.70	PBHL
17160.80	89.82	90.879	6954.38	-1242.85	9924.92	0.00	10002.44	BHL

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
2HU LP	6924.00	-1094.88	277.42	1165133.00	2338994.27	37.098151	-107.766544
2HU PBHL	6954.00	-1241.05	9805.12	1164986.83	2348521.95	37.098380	-107.733874
2HU BHL	6954.38	-1242.85	9924.92	1164985.03	2348641.75	37.098383	-107.733464

Plan: Plan #1 (Ardourel 33081718 #2HU/OH)

Created By: Janie Collins Date: 8:27, November 20 2024



Azimuths to Grid North
True North: 1.39°
Magnetic North: 9.92°

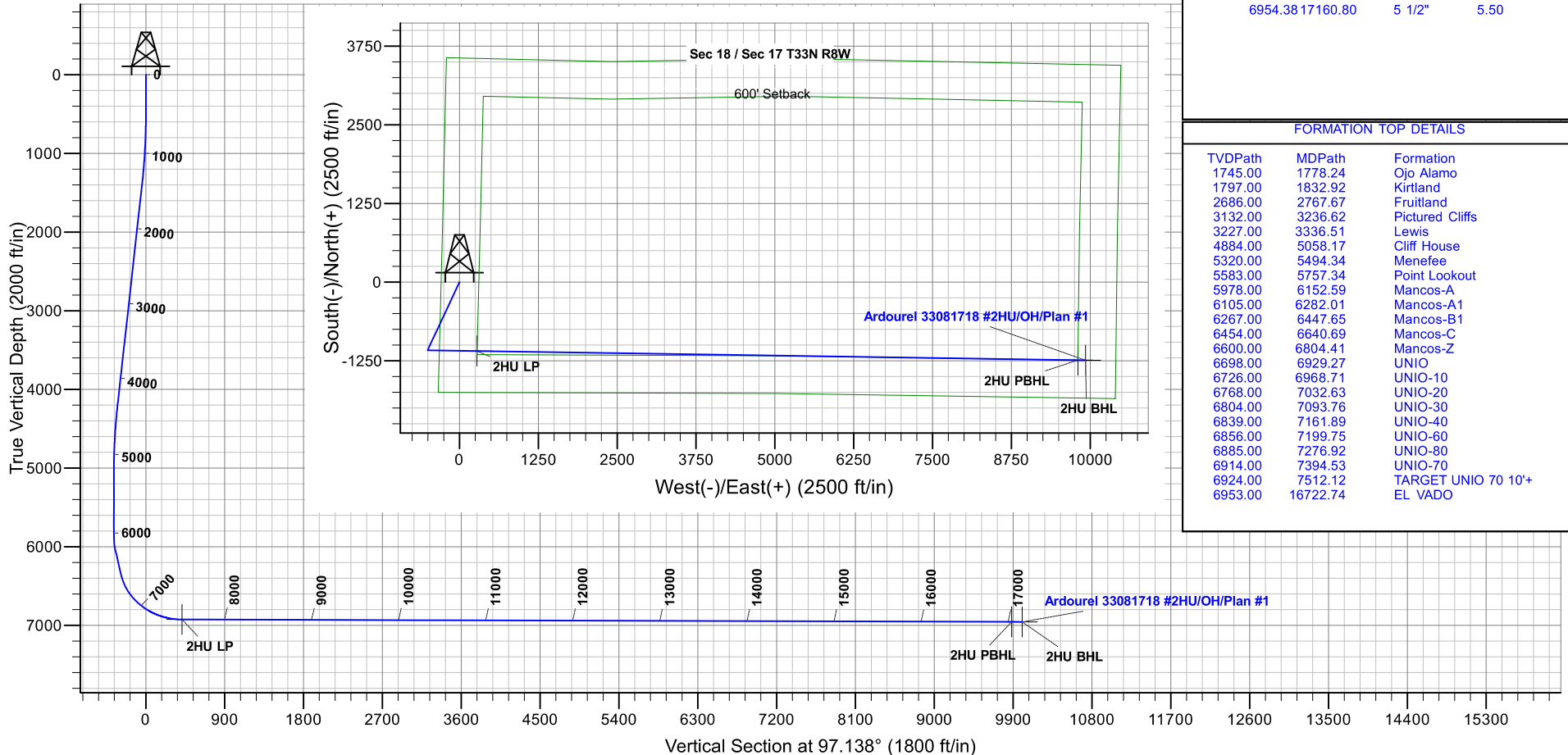
Magnetic Field
Strength: 49269.5nT
Dip Angle: 63.35°
Date: 11/19/2024
Model: HDGM2024

CASING DETAILS

TVD	MD	Name	Size
500.00	500.00	20"	20.00
3300.00	3413.27	13 3/8"	13.37
6300.00	6481.39	9 5/8"	9.62
6954.38	17160.80	5 1/2"	5.50

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
1745.00	1778.24	Ojo Alamo
1797.00	1832.92	Kirtland
2686.00	2767.67	Fruitland
3132.00	3236.62	Pictured Cliffs
3227.00	3336.51	Lewis
4884.00	5058.17	Cliff House
5320.00	5494.34	Menefee
5583.00	5757.34	Point Lookout
5978.00	6152.59	Mancos-A
6105.00	6282.01	Mancos-A1
6267.00	6447.65	Mancos-B1
6454.00	6640.69	Mancos-C
6600.00	6804.41	Mancos-Z
6698.00	6929.27	UNIO
6726.00	6968.71	UNIO-10
6768.00	7032.63	UNIO-20
6804.00	7093.76	UNIO-30
6839.00	7161.89	UNIO-40
6856.00	7199.75	UNIO-60
6885.00	7276.92	UNIO-80
6914.00	7394.53	UNIO-70
6924.00	7512.12	TARGET UNIO 70 10'+
6953.00	16722.74	EL VADO





NueVida Resources, LLC

**La Plata County, CO (NAD83)
33N 08W Sec 18
Ardourel 33081718 #2HU - Slot 2**

OH

Plan: Plan #1

Standard Planning Report

20 November, 2024



Database:	Grand Junction	Local Co-ordinate Reference:	Well Ardourel 33081718 #2HU - Slot 2
Company:	NueVida Resources, LLC	TVD Reference:	GL 6719' & RKB 25' @ 6744.00ft
Project:	La Plata County, CO (NAD83)	MD Reference:	GL 6719' & RKB 25' @ 6744.00ft
Site:	33N 08W Sec 18	North Reference:	Grid
Well:	Ardourel 33081718 #2HU	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: 37.101193
From:	Lat/Long	Easting:	2,338,714.32 usft	Longitude: -107.767596
Position Uncertainty:	0.00 ft	Slot Radius:	13.20 in	Grid Convergence: -1.39 °

Well	Ardourel 33081718 #2HU - Slot 2			
Well Position	+N/-S	-19.97 ft	Northing:	1,166,227.88 usft
	+E/-W	2.54 ft	Easting:	2,338,716.85 usft
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)
	HDGM2024	11/19/2024	8.53	63.35	49,269.50000000

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	97.138

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	
500.00	0.00	0.000	500.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,400.00	18.00	205.000	1,385.27	-127.08	-59.26	2.00	2.00	0.00	205.00	
4,360.00	18.00	205.000	4,200.40	-956.07	-445.82	0.00	0.00	0.00	0.00	
5,260.00	0.00	0.000	5,085.67	-1,083.14	-505.08	2.00	-2.00	0.00	180.00	
6,060.00	0.00	0.000	5,885.67	-1,083.14	-505.08	0.00	0.00	0.00	0.00	
6,210.37	12.03	90.806	6,034.93	-1,083.36	-489.35	8.00	8.00	0.00	90.81	
6,539.74	12.03	90.806	6,357.07	-1,084.33	-420.72	0.00	0.00	0.00	0.00	
7,512.12	89.82	90.879	6,924.00	-1,094.88	277.42	8.00	8.00	0.01	0.07	2HU LP
17,040.35	89.82	90.879	6,954.00	-1,241.01	9,804.48	0.00	0.00	0.00	0.00	2HU PBHL
17,160.80	89.82	90.879	6,954.38	-1,242.85	9,924.92	0.00	0.00	0.00	0.00	2HU BHL

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Site:	33N 08W Sec 18	North Reference:	Grid
Well:	Ardourel 33081718 #2HU	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	2.00	205.000	599.98	-1.58	-0.74	-0.54	2.00	2.00	0.00
700.00	4.00	205.000	699.84	-6.32	-2.95	-2.14	2.00	2.00	0.00
800.00	6.00	205.000	799.45	-14.22	-6.63	-4.81	2.00	2.00	0.00
900.00	8.00	205.000	898.70	-25.27	-11.78	-8.55	2.00	2.00	0.00
1,000.00	10.00	205.000	997.47	-39.44	-18.39	-13.35	2.00	2.00	0.00
1,100.00	12.00	205.000	1,095.62	-56.74	-26.46	-19.20	2.00	2.00	0.00
1,200.00	14.00	205.000	1,193.06	-77.12	-35.96	-26.10	2.00	2.00	0.00
1,300.00	16.00	205.000	1,289.64	-100.58	-46.90	-34.04	2.00	2.00	0.00
1,400.00	18.00	205.000	1,385.27	-127.08	-59.26	-43.01	2.00	2.00	0.00
1,500.00	18.00	205.000	1,480.37	-155.08	-72.32	-52.49	0.00	0.00	0.00
1,600.00	18.00	205.000	1,575.48	-183.09	-85.38	-61.96	0.00	0.00	0.00
1,700.00	18.00	205.000	1,670.59	-211.10	-98.44	-71.44	0.00	0.00	0.00
1,800.00	18.00	205.000	1,765.69	-239.10	-111.49	-80.92	0.00	0.00	0.00
1,900.00	18.00	205.000	1,860.80	-267.11	-124.55	-90.40	0.00	0.00	0.00
2,000.00	18.00	205.000	1,955.90	-295.11	-137.61	-99.88	0.00	0.00	0.00
2,100.00	18.00	205.000	2,051.01	-323.12	-150.67	-109.36	0.00	0.00	0.00
2,200.00	18.00	205.000	2,146.11	-351.13	-163.73	-118.84	0.00	0.00	0.00
2,300.00	18.00	205.000	2,241.22	-379.13	-176.79	-128.31	0.00	0.00	0.00
2,400.00	18.00	205.000	2,336.33	-407.14	-189.85	-137.79	0.00	0.00	0.00
2,500.00	18.00	205.000	2,431.43	-435.15	-202.91	-147.27	0.00	0.00	0.00
2,600.00	18.00	205.000	2,526.54	-463.15	-215.97	-156.75	0.00	0.00	0.00
2,700.00	18.00	205.000	2,621.64	-491.16	-229.03	-166.23	0.00	0.00	0.00
2,800.00	18.00	205.000	2,716.75	-519.17	-242.09	-175.71	0.00	0.00	0.00
2,900.00	18.00	205.000	2,811.85	-547.17	-255.15	-185.18	0.00	0.00	0.00
3,000.00	18.00	205.000	2,906.96	-575.18	-268.21	-194.66	0.00	0.00	0.00
3,100.00	18.00	205.000	3,002.06	-603.19	-281.27	-204.14	0.00	0.00	0.00
3,200.00	18.00	205.000	3,097.17	-631.19	-294.33	-213.62	0.00	0.00	0.00
3,300.00	18.00	205.000	3,192.28	-659.20	-307.39	-223.10	0.00	0.00	0.00
3,400.00	18.00	205.000	3,287.38	-687.20	-320.45	-232.58	0.00	0.00	0.00
3,500.00	18.00	205.000	3,382.49	-715.21	-333.51	-242.06	0.00	0.00	0.00
3,600.00	18.00	205.000	3,477.59	-743.22	-346.57	-251.53	0.00	0.00	0.00
3,700.00	18.00	205.000	3,572.70	-771.22	-359.63	-261.01	0.00	0.00	0.00
3,800.00	18.00	205.000	3,667.80	-799.23	-372.69	-270.49	0.00	0.00	0.00
3,900.00	18.00	205.000	3,762.91	-827.24	-385.75	-279.97	0.00	0.00	0.00
4,000.00	18.00	205.000	3,858.02	-855.24	-398.81	-289.45	0.00	0.00	0.00
4,100.00	18.00	205.000	3,953.12	-883.25	-411.87	-298.93	0.00	0.00	0.00
4,200.00	18.00	205.000	4,048.23	-911.26	-424.93	-308.40	0.00	0.00	0.00
4,300.00	18.00	205.000	4,143.33	-939.26	-437.99	-317.88	0.00	0.00	0.00
4,360.00	18.00	205.000	4,200.40	-956.07	-445.82	-323.57	0.00	0.00	0.00
4,400.00	17.20	205.000	4,238.52	-967.03	-450.93	-327.28	2.00	-2.00	0.00
4,500.00	15.20	205.000	4,334.55	-992.31	-462.72	-335.84	2.00	-2.00	0.00
4,600.00	13.20	205.000	4,431.49	-1,014.54	-473.09	-343.36	2.00	-2.00	0.00
4,700.00	11.20	205.000	4,529.22	-1,033.70	-482.02	-349.84	2.00	-2.00	0.00
4,800.00	9.20	205.000	4,627.64	-1,049.74	-489.50	-355.27	2.00	-2.00	0.00
4,900.00	7.20	205.000	4,726.61	-1,062.67	-495.53	-359.65	2.00	-2.00	0.00
5,000.00	5.20	205.000	4,826.02	-1,072.46	-500.10	-362.96	2.00	-2.00	0.00
5,100.00	3.20	205.000	4,925.75	-1,079.09	-503.19	-365.21	2.00	-2.00	0.00
5,200.00	1.20	205.000	5,025.67	-1,082.57	-504.81	-366.38	2.00	-2.00	0.00

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Well:	Ardourel 33081718 #2HU	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)
5,260.00	0.00	0.000	5,085.67	-1,083.14	-505.08	-366.58	2.00	-2.00	0.00
5,300.00	0.00	0.000	5,125.66	-1,083.14	-505.08	-366.58	0.00	0.00	0.00
5,400.00	0.00	0.000	5,225.66	-1,083.14	-505.08	-366.58	0.00	0.00	0.00
5,500.00	0.00	0.000	5,325.66	-1,083.14	-505.08	-366.58	0.00	0.00	0.00
5,600.00	0.00	0.000	5,425.66	-1,083.14	-505.08	-366.58	0.00	0.00	0.00
5,700.00	0.00	0.000	5,525.66	-1,083.14	-505.08	-366.58	0.00	0.00	0.00
5,800.00	0.00	0.000	5,625.66	-1,083.14	-505.08	-366.58	0.00	0.00	0.00
5,900.00	0.00	0.000	5,725.66	-1,083.14	-505.08	-366.58	0.00	0.00	0.00
6,000.00	0.00	0.000	5,825.66	-1,083.14	-505.08	-366.58	0.00	0.00	0.00
6,060.00	0.00	0.000	5,885.67	-1,083.14	-505.08	-366.58	0.00	0.00	0.00
6,100.00	3.20	90.806	5,925.64	-1,083.16	-503.96	-365.47	8.00	8.00	0.00
6,200.00	11.20	90.806	6,024.77	-1,083.34	-491.44	-353.02	8.00	8.00	0.00
6,210.37	12.03	90.806	6,034.93	-1,083.36	-489.35	-350.95	8.00	8.00	0.00
6,300.00	12.03	90.806	6,122.59	-1,083.63	-470.67	-332.38	0.00	0.00	0.00
6,400.00	12.03	90.806	6,220.40	-1,083.92	-449.84	-311.67	0.00	0.00	0.00
6,500.00	12.03	90.806	6,318.20	-1,084.21	-429.00	-290.95	0.00	0.00	0.00
6,539.74	12.03	90.806	6,357.07	-1,084.33	-420.72	-282.72	0.00	0.00	0.00
6,600.00	16.85	90.827	6,415.41	-1,084.54	-405.70	-267.79	8.00	8.00	0.04
6,700.00	24.85	90.845	6,508.78	-1,085.06	-370.14	-232.44	8.00	8.00	0.02
6,800.00	32.85	90.855	6,596.30	-1,085.78	-321.93	-184.52	8.00	8.00	0.01
6,900.00	40.85	90.861	6,676.26	-1,086.68	-262.01	-124.96	8.00	8.00	0.01
7,000.00	48.85	90.865	6,747.10	-1,087.74	-191.55	-54.91	8.00	8.00	0.00
7,100.00	56.85	90.869	6,807.44	-1,088.94	-111.92	24.25	8.00	8.00	0.00
7,200.00	64.85	90.871	6,856.11	-1,090.27	-24.67	111.00	8.00	8.00	0.00
7,300.00	72.85	90.874	6,892.16	-1,091.69	68.51	203.63	8.00	8.00	0.00
7,400.00	80.85	90.876	6,914.89	-1,093.17	165.80	300.35	8.00	8.00	0.00
7,500.00	88.85	90.878	6,923.86	-1,094.70	265.30	399.27	8.00	8.00	0.00
7,512.12	89.82	90.879	6,924.00	-1,094.88	277.42	411.32	8.00	8.00	0.00
7,600.00	89.82	90.879	6,924.28	-1,096.23	365.29	498.67	0.00	0.00	0.00
7,700.00	89.82	90.879	6,924.59	-1,097.76	465.28	598.07	0.00	0.00	0.00
7,800.00	89.82	90.879	6,924.91	-1,099.30	565.27	697.48	0.00	0.00	0.00
7,900.00	89.82	90.879	6,925.22	-1,100.83	665.25	796.88	0.00	0.00	0.00
8,000.00	89.82	90.879	6,925.54	-1,102.37	765.24	896.28	0.00	0.00	0.00
8,100.00	89.82	90.879	6,925.85	-1,103.90	865.23	995.69	0.00	0.00	0.00
8,200.00	89.82	90.879	6,926.17	-1,105.43	965.22	1,095.09	0.00	0.00	0.00
8,300.00	89.82	90.879	6,926.48	-1,106.97	1,065.20	1,194.50	0.00	0.00	0.00
8,400.00	89.82	90.879	6,926.80	-1,108.50	1,165.19	1,293.90	0.00	0.00	0.00
8,500.00	89.82	90.879	6,927.11	-1,110.03	1,265.18	1,393.30	0.00	0.00	0.00
8,600.00	89.82	90.879	6,927.43	-1,111.57	1,365.17	1,492.71	0.00	0.00	0.00
8,700.00	89.82	90.879	6,927.74	-1,113.10	1,465.15	1,592.11	0.00	0.00	0.00
8,800.00	89.82	90.879	6,928.06	-1,114.63	1,565.14	1,691.51	0.00	0.00	0.00
8,900.00	89.82	90.879	6,928.37	-1,116.17	1,665.13	1,790.92	0.00	0.00	0.00
9,000.00	89.82	90.879	6,928.68	-1,117.70	1,765.12	1,890.32	0.00	0.00	0.00
9,100.00	89.82	90.879	6,929.00	-1,119.23	1,865.11	1,989.72	0.00	0.00	0.00
9,200.00	89.82	90.879	6,929.31	-1,120.77	1,965.09	2,089.13	0.00	0.00	0.00
9,300.00	89.82	90.879	6,929.63	-1,122.30	2,065.08	2,188.53	0.00	0.00	0.00
9,400.00	89.82	90.879	6,929.94	-1,123.84	2,165.07	2,287.93	0.00	0.00	0.00
9,500.00	89.82	90.879	6,930.26	-1,125.37	2,265.06	2,387.34	0.00	0.00	0.00
9,600.00	89.82	90.879	6,930.57	-1,126.90	2,365.04	2,486.74	0.00	0.00	0.00
9,700.00	89.82	90.879	6,930.89	-1,128.44	2,465.03	2,586.14	0.00	0.00	0.00
9,800.00	89.82	90.879	6,931.20	-1,129.97	2,565.02	2,685.55	0.00	0.00	0.00
9,900.00	89.82	90.879	6,931.52	-1,131.50	2,665.01	2,784.95	0.00	0.00	0.00
10,000.00	89.82	90.879	6,931.83	-1,133.04	2,765.00	2,884.35	0.00	0.00	0.00
10,100.00	89.82	90.879	6,932.15	-1,134.57	2,864.98	2,983.76	0.00	0.00	0.00

Database:	Grand Junction	Local Co-ordinate Reference:	Well Ardourel 33081718 #2HU - Slot 2
Company:	NueVida Resources, LLC	TVD Reference:	GL 6719' & RKB 25' @ 6744.00ft
Project:	La Plata County, CO (NAD83)	MD Reference:	GL 6719' & RKB 25' @ 6744.00ft
Site:	33N 08W Sec 18	North Reference:	Grid
Well:	Ardourel 33081718 #2HU	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)
10,200.00	89.82	90.879	6,932.46	-1,136.10	2,964.97	3,083.16	0.00	0.00	0.00
10,300.00	89.82	90.879	6,932.78	-1,137.64	3,064.96	3,182.56	0.00	0.00	0.00
10,400.00	89.82	90.879	6,933.09	-1,139.17	3,164.95	3,281.97	0.00	0.00	0.00
10,500.00	89.82	90.879	6,933.41	-1,140.70	3,264.93	3,381.37	0.00	0.00	0.00
10,600.00	89.82	90.879	6,933.72	-1,142.24	3,364.92	3,480.77	0.00	0.00	0.00
10,700.00	89.82	90.879	6,934.04	-1,143.77	3,464.91	3,580.18	0.00	0.00	0.00
10,800.00	89.82	90.879	6,934.35	-1,145.31	3,564.90	3,679.58	0.00	0.00	0.00
10,900.00	89.82	90.879	6,934.67	-1,146.84	3,664.89	3,778.98	0.00	0.00	0.00
11,000.00	89.82	90.879	6,934.98	-1,148.37	3,764.87	3,878.39	0.00	0.00	0.00
11,100.00	89.82	90.879	6,935.30	-1,149.91	3,864.86	3,977.79	0.00	0.00	0.00
11,200.00	89.82	90.879	6,935.61	-1,151.44	3,964.85	4,077.19	0.00	0.00	0.00
11,300.00	89.82	90.879	6,935.93	-1,152.97	4,064.84	4,176.60	0.00	0.00	0.00
11,400.00	89.82	90.879	6,936.24	-1,154.51	4,164.82	4,276.00	0.00	0.00	0.00
11,500.00	89.82	90.879	6,936.56	-1,156.04	4,264.81	4,375.40	0.00	0.00	0.00
11,600.00	89.82	90.879	6,936.87	-1,157.57	4,364.80	4,474.81	0.00	0.00	0.00
11,700.00	89.82	90.879	6,937.19	-1,159.11	4,464.79	4,574.21	0.00	0.00	0.00
11,800.00	89.82	90.879	6,937.50	-1,160.64	4,564.78	4,673.62	0.00	0.00	0.00
11,900.00	89.82	90.879	6,937.82	-1,162.18	4,664.76	4,773.02	0.00	0.00	0.00
12,000.00	89.82	90.879	6,938.13	-1,163.71	4,764.75	4,872.42	0.00	0.00	0.00
12,100.00	89.82	90.879	6,938.45	-1,165.24	4,864.74	4,971.83	0.00	0.00	0.00
12,200.00	89.82	90.879	6,938.76	-1,166.78	4,964.73	5,071.23	0.00	0.00	0.00
12,300.00	89.82	90.879	6,939.07	-1,168.31	5,064.71	5,170.63	0.00	0.00	0.00
12,400.00	89.82	90.879	6,939.39	-1,169.84	5,164.70	5,270.04	0.00	0.00	0.00
12,500.00	89.82	90.879	6,939.70	-1,171.38	5,264.69	5,369.44	0.00	0.00	0.00
12,600.00	89.82	90.879	6,940.02	-1,172.91	5,364.68	5,468.84	0.00	0.00	0.00
12,700.00	89.82	90.879	6,940.33	-1,174.44	5,464.66	5,568.25	0.00	0.00	0.00
12,800.00	89.82	90.879	6,940.65	-1,175.98	5,564.65	5,667.65	0.00	0.00	0.00
12,900.00	89.82	90.879	6,940.96	-1,177.51	5,664.64	5,767.05	0.00	0.00	0.00
13,000.00	89.82	90.879	6,941.28	-1,179.04	5,764.63	5,866.46	0.00	0.00	0.00
13,100.00	89.82	90.879	6,941.59	-1,180.58	5,864.62	5,965.86	0.00	0.00	0.00
13,200.00	89.82	90.879	6,941.91	-1,182.11	5,964.60	6,065.26	0.00	0.00	0.00
13,300.00	89.82	90.879	6,942.22	-1,183.65	6,064.59	6,164.67	0.00	0.00	0.00
13,400.00	89.82	90.879	6,942.54	-1,185.18	6,164.58	6,264.07	0.00	0.00	0.00
13,500.00	89.82	90.879	6,942.85	-1,186.71	6,264.57	6,363.47	0.00	0.00	0.00
13,600.00	89.82	90.879	6,943.17	-1,188.25	6,364.55	6,462.88	0.00	0.00	0.00
13,700.00	89.82	90.879	6,943.48	-1,189.78	6,464.54	6,562.28	0.00	0.00	0.00
13,800.00	89.82	90.879	6,943.80	-1,191.31	6,564.53	6,661.68	0.00	0.00	0.00
13,900.00	89.82	90.879	6,944.11	-1,192.85	6,664.52	6,761.09	0.00	0.00	0.00
14,000.00	89.82	90.879	6,944.43	-1,194.38	6,764.51	6,860.49	0.00	0.00	0.00
14,100.00	89.82	90.879	6,944.74	-1,195.91	6,864.49	6,959.89	0.00	0.00	0.00
14,200.00	89.82	90.879	6,945.06	-1,197.45	6,964.48	7,059.30	0.00	0.00	0.00
14,300.00	89.82	90.879	6,945.37	-1,198.98	7,064.47	7,158.70	0.00	0.00	0.00
14,400.00	89.82	90.879	6,945.69	-1,200.51	7,164.46	7,258.10	0.00	0.00	0.00
14,500.00	89.82	90.879	6,946.00	-1,202.05	7,264.44	7,357.51	0.00	0.00	0.00
14,600.00	89.82	90.879	6,946.32	-1,203.58	7,364.43	7,456.91	0.00	0.00	0.00
14,700.00	89.82	90.879	6,946.63	-1,205.12	7,464.42	7,556.31	0.00	0.00	0.00
14,800.00	89.82	90.879	6,946.95	-1,206.65	7,564.41	7,655.72	0.00	0.00	0.00
14,900.00	89.82	90.879	6,947.26	-1,208.18	7,664.40	7,755.12	0.00	0.00	0.00
15,000.00	89.82	90.879	6,947.58	-1,209.72	7,764.38	7,854.52	0.00	0.00	0.00
15,100.00	89.82	90.879	6,947.89	-1,211.25	7,864.37	7,953.93	0.00	0.00	0.00
15,200.00	89.82	90.879	6,948.21	-1,212.78	7,964.36	8,053.33	0.00	0.00	0.00
15,300.00	89.82	90.879	6,948.52	-1,214.32	8,064.35	8,152.73	0.00	0.00	0.00
15,400.00	89.82	90.879	6,948.84	-1,215.85	8,164.33	8,252.14	0.00	0.00	0.00
15,500.00	89.82	90.879	6,949.15	-1,217.38	8,264.32	8,351.54	0.00	0.00	0.00

Database:	Grand Junction	Local Co-ordinate Reference:	Well Ardourel 33081718 #2HU - Slot 2
Company:	NueVida Resources, LLC	TVD Reference:	GL 6719' & RKB 25' @ 6744.00ft
Project:	La Plata County, CO (NAD83)	MD Reference:	GL 6719' & RKB 25' @ 6744.00ft
Site:	33N 08W Sec 18	North Reference:	Grid
Well:	Ardourel 33081718 #2HU	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)	
15,600.00	89.82	90.879	6,949.47	-1,218.92	8,364.31	8,450.95	0.00	0.00	0.00	
15,700.00	89.82	90.879	6,949.78	-1,220.45	8,464.30	8,550.35	0.00	0.00	0.00	
15,800.00	89.82	90.879	6,950.09	-1,221.98	8,564.28	8,649.75	0.00	0.00	0.00	
15,900.00	89.82	90.879	6,950.41	-1,223.52	8,664.27	8,749.16	0.00	0.00	0.00	
16,000.00	89.82	90.879	6,950.72	-1,225.05	8,764.26	8,848.56	0.00	0.00	0.00	
16,100.00	89.82	90.879	6,951.04	-1,226.59	8,864.25	8,947.96	0.00	0.00	0.00	
16,200.00	89.82	90.879	6,951.35	-1,228.12	8,964.24	9,047.37	0.00	0.00	0.00	
16,300.00	89.82	90.879	6,951.67	-1,229.65	9,064.22	9,146.77	0.00	0.00	0.00	
16,400.00	89.82	90.879	6,951.98	-1,231.19	9,164.21	9,246.17	0.00	0.00	0.00	
16,500.00	89.82	90.879	6,952.30	-1,232.72	9,264.20	9,345.58	0.00	0.00	0.00	
16,600.00	89.82	90.879	6,952.61	-1,234.25	9,364.19	9,444.98	0.00	0.00	0.00	
16,700.00	89.82	90.879	6,952.93	-1,235.79	9,464.17	9,544.38	0.00	0.00	0.00	
16,800.00	89.82	90.879	6,953.24	-1,237.32	9,564.16	9,643.79	0.00	0.00	0.00	
16,900.00	89.82	90.879	6,953.56	-1,238.85	9,664.15	9,743.19	0.00	0.00	0.00	
17,000.00	89.82	90.879	6,953.87	-1,240.39	9,764.14	9,842.59	0.00	0.00	0.00	
17,040.35	89.82	90.879	6,954.00	-1,241.01	9,804.48	9,882.70	0.00	0.00	0.00	
17,100.00	89.82	90.879	6,954.19	-1,241.92	9,864.13	9,942.00	0.00	0.00	0.00	
17,160.80	89.82	90.879	6,954.38	-1,242.85	9,924.92	10,002.44	0.00	0.00	0.00	

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
2HU LP - plan hits target center - Point	0.00	0.000	6,924.00	-1,094.88	277.42	1,165,133.00	2,338,994.27	37.098151	-107.766544
2HU PBHL - plan misses target center by 0.04ft at 17040.99ft MD (6954.00 TVD, -1241.02 N, 9805.12 E) - Point	0.00	0.000	6,954.00	-1,241.05	9,805.12	1,164,986.83	2,348,521.95	37.098380	-107.733875
2HU BHL - plan hits target center - Point	0.00	0.000	6,954.38	-1,242.85	9,924.92	1,164,985.03	2,348,641.75	37.098383	-107.733464

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)	
500.00	500.00	20"	20.00	26.00	
3,413.27	3,300.00	13 3/8"	13.37	17.50	
6,481.39	6,300.00	9 5/8"	9.62	12.25	
17,160.80	6,954.38	5 1/2"	5.50	6.00	

Database:	Grand Junction	Local Co-ordinate Reference:	Well Ardourel 33081718 #2HU - Slot 2
Company:	NueVida Resources, LLC	TVD Reference:	GL 6719' & RKB 25' @ 6744.00ft
Project:	La Plata County, CO (NAD83)	MD Reference:	GL 6719' & RKB 25' @ 6744.00ft
Site:	33N 08W Sec 18	North Reference:	Grid
Well:	Ardourel 33081718 #2HU	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
1,778.24	1,745.00	Ojo Alamo		0.00	360.000	
1,832.92	1,797.00	Kirtland		0.00	360.000	
2,767.67	2,686.00	Fruitland		0.00	360.000	
3,236.62	3,132.00	Pictured Cliffs		0.00	360.000	
3,336.51	3,227.00	Lewis		0.00	360.000	
5,058.17	4,884.00	Cliff House		0.00	360.000	
5,494.34	5,320.00	Menefee		0.00	360.000	
5,757.34	5,583.00	Point Lookout		0.00	360.000	
6,152.59	5,978.00	Mancos-A		0.00	360.000	
6,282.01	6,105.00	Mancos-A1		0.00	360.000	
6,447.65	6,267.00	Mancos-B1		0.00	360.000	
6,640.69	6,454.00	Mancos-C		0.00	360.000	
6,804.41	6,600.00	Mancos-Z		0.00	360.000	
6,929.27	6,698.00	UNIO		0.00	360.000	
6,968.71	6,726.00	UNIO-10		0.00	360.000	
7,032.63	6,768.00	UNIO-20		0.00	360.000	
7,093.76	6,804.00	UNIO-30		0.00	360.000	
7,161.89	6,839.00	UNIO-40		0.00	360.000	
7,199.75	6,856.00	UNIO-60		0.00	360.000	
7,276.92	6,885.00	UNIO-80		0.00	360.000	
7,394.53	6,914.00	UNIO-70		0.00	360.000	
7,512.12	6,924.00	TARGET UNIO 70 10'+		0.00	360.000	
16,722.74	6,953.00	EL VADO		0.00	360.000	

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
500.00	500.00	0.00	0.00	Start Build 2.00	
1,400.00	1,385.27	-127.08	-59.26	Start 2960.00 hold at 1400.00 MD	
4,360.00	4,200.40	-956.07	-445.82	Start Drop -2.00	
5,260.00	5,085.67	-1,083.14	-505.08	Start 800.00 hold at 5260.00 MD	
6,060.00	5,885.67	-1,083.14	-505.08	Start Build 8.00	
6,210.37	6,034.93	-1,083.36	-489.35	Start 329.37 hold at 6210.37 MD	
6,539.74	6,357.07	-1,084.33	-420.72	KOP/EOT	
7,512.12	6,924.00	-1,094.88	277.42	LP / 7" Casing	
17,040.35	6,954.00	-1,241.01	9,804.48	PBHL	
17,160.80	6,954.38	-1,242.85	9,924.92	BHL	