



Ardourel 33081718 #5HL  
OH  
Plan #1

GL 6719' & RKB 25' @ 6744.00ft  
Northing 1166287.41 Easting 2338709.34 Latitude 37.101301 Longitude -107.767616

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  
5 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
1243.84	14.88	345.768	1235.51	93.08	-23.61	2.00	-9.54	Start 5295.71 hold at 1243.84 MD
6539.54	14.88	345.768	6353.70	1410.97	-357.88	0.00	-144.60	KOP/EOT
7710.34	89.90	90.578	7093.00	1593.27	357.41	8.00	589.82	LP / 7" Casing
17206.90	89.90	90.578	7110.00	1497.48	9853.47	0.00	9966.60	PBHL
17327.87	89.90	90.578	7110.22	1496.26	9974.44	0.00	10086.04	BHL

#### DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
5HL LP	7093.00	1593.27	357.41	1167880.68	2339066.75	37.105700	-107.766524
5HL PBHL	7110.00	1498.75	9854.47	1167786.16	2348563.79	37.106068	-107.733961
5HL BHL	7110.22	1496.26	9974.44	1167783.67	2348683.76	37.106069	-107.733549

Plan: Plan #1 (Ardourel 33081718 #5HL/OH)

Created By: Janie Collins Date: 8:33, November 20 2024



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

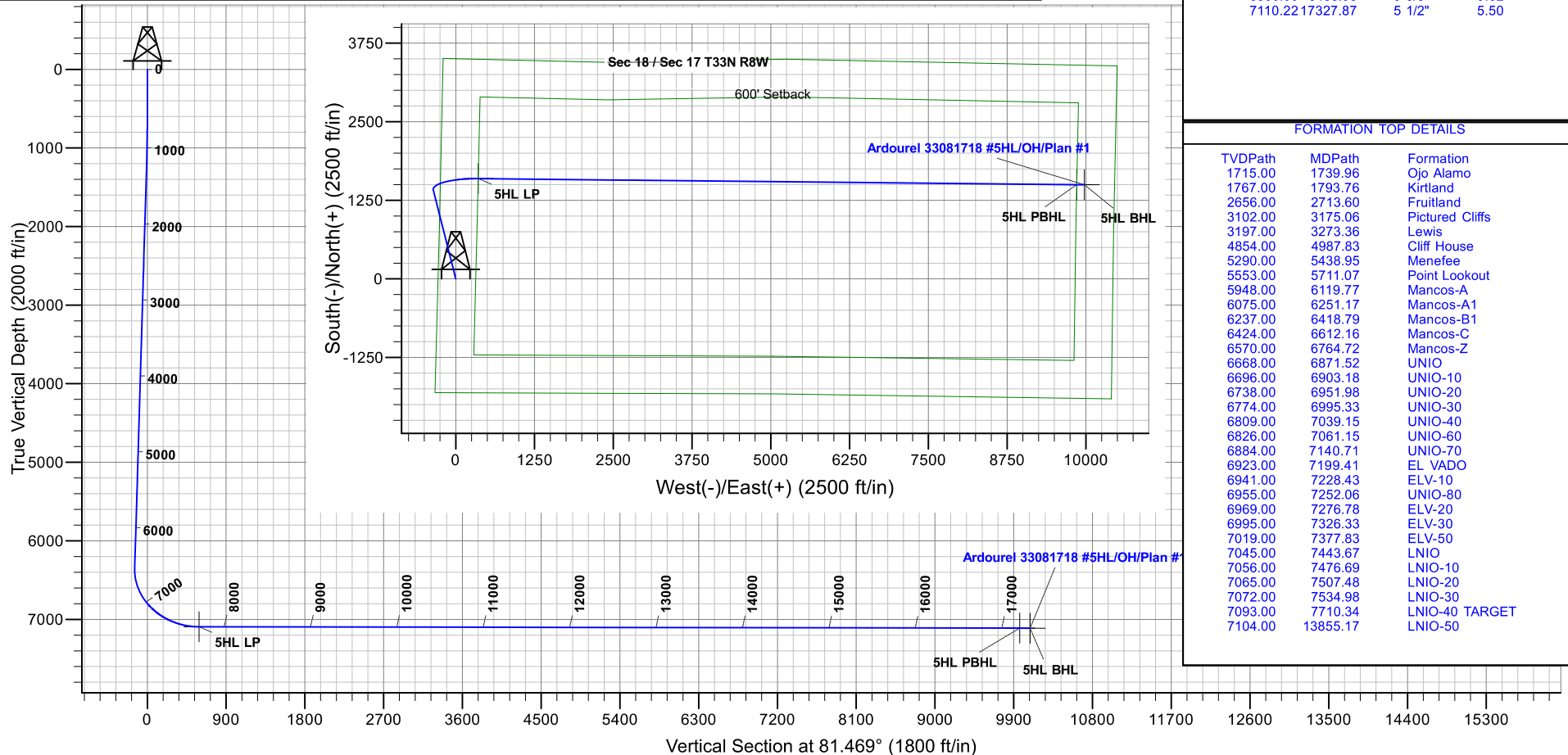
Magnetic Field  
Strength: 49269.5nT  
Dip Angle: 63.35°  
Date: 11/19/2024  
Model: HDGM2024

#### CASING DETAILS

TVD	MD	Name	Size
500.00	500.00	20"	20.00
3300.00	3379.93	13 3/8"	13.37
6300.00	6483.98	9 5/8"	9.62
7110.22	17327.87	5 1/2"	5.50

#### FORMATION TOP DETAILS

TVDPath	MDPath	Formation
1715.00	1739.96	Ojo Alamo
1767.00	1793.76	Kirtland
2656.00	2713.60	Fruitland
3102.00	3175.06	Pictured Cliffs
3197.00	3273.36	Lewis
4854.00	4987.83	Cliff House
5290.00	5438.95	Menefee
5553.00	5711.07	Point Lookout
5948.00	6119.77	Mancos-A
6075.00	6251.17	Mancos-A1
6237.00	6418.79	Mancos-B1
6424.00	6612.16	Mancos-C
6570.00	6764.72	Mancos-Z
6668.00	6871.52	UNIO
6696.00	6903.18	UNIO-10
6738.00	6951.98	UNIO-20
6774.00	6995.33	UNIO-30
6809.00	7039.15	UNIO-40
6826.00	7061.15	UNIO-60
6884.00	7140.71	UNIO-70
6923.00	7199.41	EL VADO
6941.00	7228.43	ELV-10
6955.00	7252.06	UNIO-80
6969.00	7276.78	ELV-20
6995.00	7326.33	ELV-30
7019.00	7377.83	ELV-50
7045.00	7443.67	LNIO
7056.00	7476.69	LNIO-10
7065.00	7507.48	LNIO-20
7072.00	7534.98	LNIO-30
7093.00	7710.34	LNIO-40 TARGET
7104.00	13855.17	LNIO-50





## **NueVida Resources, LLC**

**La Plata County, CO (NAD83)**

**33N 08W Sec 18**

**Ardourel 33081718 #5HL - Slot 5**

**OH**

**Plan: Plan #1**

## **Standard Planning Report**

**20 November, 2024**



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

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

<b>Site</b>	33N 08W Sec 18			
<b>Site Position:</b>		<b>Northing:</b>	1,166,247.85 usft	<b>Latitude:</b> 37.101193
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,338,714.32 usft	<b>Longitude:</b> -107.767596
<b>Position Uncertainty:</b>	0.00 ft	<b>Slot Radius:</b>	13.20 in	<b>Grid Convergence:</b> -1.39 °

<b>Well</b>	Ardourel 33081718 #5HL - Slot 5			
<b>Well Position</b>	<b>+N/-S</b>	39.56 ft	<b>Northing:</b>	1,166,287.41 usft
	<b>+E/-W</b>	-4.97 ft	<b>Easting:</b>	2,338,709.34 usft
<b>Position Uncertainty</b>		0.00 ft	<b>Wellhead Elevation:</b>	<b>Ground Level:</b> 6,719.00 ft

<b>Wellbore</b>	OH				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	HDGM2024	11/19/2024	8.53	63.35	49,269.50000000

<b>Design</b>	Plan #1			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>
	0.00	0.00	0.00	81.469

<b>Plan Sections</b>										
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	
1,243.84	14.88	345.768	1,235.51	93.08	-23.61	2.00	2.00	0.00	345.77	
6,539.54	14.88	345.768	6,353.70	1,410.97	-357.88	0.00	0.00	0.00	0.00	
7,710.34	89.90	90.578	7,093.00	1,593.27	357.41	8.00	6.41	8.95	104.36	5HL LP
17,206.90	89.90	90.578	7,110.00	1,497.48	9,853.47	0.00	0.00	0.00	0.00	5HL PBHL
17,327.87	89.90	90.578	7,110.22	1,496.26	9,974.44	0.00	0.00	0.00	0.00	5HL BHL

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<b>Wellbore:</b>	OH		
<b>Design:</b>	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	345.768	599.98	1.69	-0.43	-0.17	2.00	2.00	0.00
700.00	4.00	345.768	699.84	6.76	-1.72	-0.69	2.00	2.00	0.00
800.00	6.00	345.768	799.45	15.21	-3.86	-1.56	2.00	2.00	0.00
900.00	8.00	345.768	898.70	27.02	-6.85	-2.77	2.00	2.00	0.00
1,000.00	10.00	345.768	997.47	42.19	-10.70	-4.32	2.00	2.00	0.00
1,100.00	12.00	345.768	1,095.62	60.68	-15.39	-6.22	2.00	2.00	0.00
1,200.00	14.00	345.768	1,193.06	82.48	-20.92	-8.45	2.00	2.00	0.00
1,243.84	14.88	345.768	1,235.51	93.08	-23.61	-9.54	2.00	2.00	0.00
1,300.00	14.88	345.768	1,289.79	107.06	-27.15	-10.97	0.00	0.00	0.00
1,400.00	14.88	345.768	1,386.44	131.94	-33.47	-13.52	0.00	0.00	0.00
1,500.00	14.88	345.768	1,483.08	156.83	-39.78	-16.07	0.00	0.00	0.00
1,600.00	14.88	345.768	1,579.73	181.71	-46.09	-18.62	0.00	0.00	0.00
1,700.00	14.88	345.768	1,676.38	206.60	-52.40	-21.17	0.00	0.00	0.00
1,800.00	14.88	345.768	1,773.03	231.49	-58.71	-23.72	0.00	0.00	0.00
1,900.00	14.88	345.768	1,869.68	256.37	-65.03	-26.27	0.00	0.00	0.00
2,000.00	14.88	345.768	1,966.32	281.26	-71.34	-28.82	0.00	0.00	0.00
2,100.00	14.88	345.768	2,062.97	306.14	-77.65	-31.37	0.00	0.00	0.00
2,200.00	14.88	345.768	2,159.62	331.03	-83.96	-33.93	0.00	0.00	0.00
2,300.00	14.88	345.768	2,256.27	355.92	-90.27	-36.48	0.00	0.00	0.00
2,400.00	14.88	345.768	2,352.92	380.80	-96.59	-39.03	0.00	0.00	0.00
2,500.00	14.88	345.768	2,449.56	405.69	-102.90	-41.58	0.00	0.00	0.00
2,600.00	14.88	345.768	2,546.21	430.57	-109.21	-44.13	0.00	0.00	0.00
2,700.00	14.88	345.768	2,642.86	455.46	-115.52	-46.68	0.00	0.00	0.00
2,800.00	14.88	345.768	2,739.51	480.34	-121.83	-49.23	0.00	0.00	0.00
2,900.00	14.88	345.768	2,836.16	505.23	-128.15	-51.78	0.00	0.00	0.00
3,000.00	14.88	345.768	2,932.80	530.12	-134.46	-54.33	0.00	0.00	0.00
3,100.00	14.88	345.768	3,029.45	555.00	-140.77	-56.88	0.00	0.00	0.00
3,200.00	14.88	345.768	3,126.10	579.89	-147.08	-59.43	0.00	0.00	0.00
3,300.00	14.88	345.768	3,222.75	604.77	-153.40	-61.98	0.00	0.00	0.00
3,400.00	14.88	345.768	3,319.40	629.66	-159.71	-64.53	0.00	0.00	0.00
3,500.00	14.88	345.768	3,416.05	654.55	-166.02	-67.08	0.00	0.00	0.00
3,600.00	14.88	345.768	3,512.69	679.43	-172.33	-69.63	0.00	0.00	0.00
3,700.00	14.88	345.768	3,609.34	704.32	-178.64	-72.18	0.00	0.00	0.00
3,800.00	14.88	345.768	3,705.99	729.20	-184.96	-74.73	0.00	0.00	0.00
3,900.00	14.88	345.768	3,802.64	754.09	-191.27	-77.28	0.00	0.00	0.00
4,000.00	14.88	345.768	3,899.29	778.98	-197.58	-79.83	0.00	0.00	0.00
4,100.00	14.88	345.768	3,995.93	803.86	-203.89	-82.38	0.00	0.00	0.00
4,200.00	14.88	345.768	4,092.58	828.75	-210.20	-84.93	0.00	0.00	0.00
4,300.00	14.88	345.768	4,189.23	853.63	-216.52	-87.48	0.00	0.00	0.00
4,400.00	14.88	345.768	4,285.88	878.52	-222.83	-90.03	0.00	0.00	0.00
4,500.00	14.88	345.768	4,382.53	903.41	-229.14	-92.58	0.00	0.00	0.00
4,600.00	14.88	345.768	4,479.17	928.29	-235.45	-95.13	0.00	0.00	0.00
4,700.00	14.88	345.768	4,575.82	953.18	-241.76	-97.69	0.00	0.00	0.00
4,800.00	14.88	345.768	4,672.47	978.06	-248.08	-100.24	0.00	0.00	0.00
4,900.00	14.88	345.768	4,769.12	1,002.95	-254.39	-102.79	0.00	0.00	0.00
5,000.00	14.88	345.768	4,865.77	1,027.84	-260.70	-105.34	0.00	0.00	0.00
5,100.00	14.88	345.768	4,962.41	1,052.72	-267.01	-107.89	0.00	0.00	0.00
5,200.00	14.88	345.768	5,059.06	1,077.61	-273.32	-110.44	0.00	0.00	0.00

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<b>Wellbore:</b>	OH		
<b>Design:</b>	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)
5,300.00	14.88	345.768	5,155.71	1,102.49	-279.64	-112.99	0.00	0.00	0.00
5,400.00	14.88	345.768	5,252.36	1,127.38	-285.95	-115.54	0.00	0.00	0.00
5,500.00	14.88	345.768	5,349.01	1,152.27	-292.26	-118.09	0.00	0.00	0.00
5,600.00	14.88	345.768	5,445.65	1,177.15	-298.57	-120.64	0.00	0.00	0.00
5,700.00	14.88	345.768	5,542.30	1,202.04	-304.88	-123.19	0.00	0.00	0.00
5,800.00	14.88	345.768	5,638.95	1,226.92	-311.20	-125.74	0.00	0.00	0.00
5,900.00	14.88	345.768	5,735.60	1,251.81	-317.51	-128.29	0.00	0.00	0.00
6,000.00	14.88	345.768	5,832.25	1,276.69	-323.82	-130.84	0.00	0.00	0.00
6,100.00	14.88	345.768	5,928.89	1,301.58	-330.13	-133.39	0.00	0.00	0.00
6,200.00	14.88	345.768	6,025.54	1,326.47	-336.45	-135.94	0.00	0.00	0.00
6,300.00	14.88	345.768	6,122.19	1,351.35	-342.76	-138.49	0.00	0.00	0.00
6,400.00	14.88	345.768	6,218.84	1,376.24	-349.07	-141.04	0.00	0.00	0.00
6,500.00	14.88	345.768	6,315.49	1,401.12	-355.38	-143.59	0.00	0.00	0.00
6,539.54	14.88	345.768	6,353.70	1,410.97	-357.88	-144.60	0.00	0.00	0.00
6,600.00	14.44	4.887	6,412.23	1,426.01	-359.14	-143.62	8.00	-0.72	31.63
6,700.00	16.97	33.290	6,508.63	1,450.67	-350.06	-130.98	8.00	2.53	28.40
6,800.00	22.19	51.593	6,602.90	1,474.64	-327.21	-104.83	8.00	5.23	18.30
6,900.00	28.68	62.602	6,693.21	1,497.45	-291.05	-65.69	8.00	6.48	11.01
7,000.00	35.74	69.697	6,777.80	1,518.65	-242.28	-14.31	8.00	7.06	7.09
7,100.00	43.09	74.673	6,855.02	1,537.85	-181.85	48.30	8.00	7.35	4.98
7,200.00	50.61	78.432	6,923.38	1,554.65	-110.93	120.93	8.00	7.52	3.76
7,300.00	58.23	81.452	6,981.53	1,568.74	-30.91	202.15	8.00	7.62	3.02
7,400.00	65.90	84.009	7,028.35	1,579.84	56.66	290.40	8.00	7.68	2.56
7,500.00	73.61	86.274	7,062.93	1,587.74	150.07	383.95	8.00	7.71	2.27
7,600.00	81.35	88.365	7,084.59	1,592.27	247.51	480.98	8.00	7.74	2.09
7,700.00	89.10	90.372	7,092.91	1,593.36	347.07	579.61	8.00	7.75	2.01
7,710.34	89.90	90.578	7,093.00	1,593.27	357.41	589.82	8.00	7.75	1.99
7,800.00	89.90	90.578	7,093.16	1,592.37	447.07	678.35	0.00	0.00	0.00
7,900.00	89.90	90.578	7,093.34	1,591.36	547.06	777.09	0.00	0.00	0.00
8,000.00	89.90	90.578	7,093.52	1,590.35	647.06	875.83	0.00	0.00	0.00
8,100.00	89.90	90.578	7,093.70	1,589.34	747.05	974.56	0.00	0.00	0.00
8,200.00	89.90	90.578	7,093.88	1,588.33	847.05	1,073.30	0.00	0.00	0.00
8,300.00	89.90	90.578	7,094.06	1,587.33	947.04	1,172.04	0.00	0.00	0.00
8,400.00	89.90	90.578	7,094.23	1,586.32	1,047.04	1,270.78	0.00	0.00	0.00
8,500.00	89.90	90.578	7,094.41	1,585.31	1,147.03	1,369.52	0.00	0.00	0.00
8,600.00	89.90	90.578	7,094.59	1,584.30	1,247.03	1,468.26	0.00	0.00	0.00
8,700.00	89.90	90.578	7,094.77	1,583.29	1,347.02	1,567.00	0.00	0.00	0.00
8,800.00	89.90	90.578	7,094.95	1,582.28	1,447.01	1,665.73	0.00	0.00	0.00
8,900.00	89.90	90.578	7,095.13	1,581.27	1,547.01	1,764.47	0.00	0.00	0.00
9,000.00	89.90	90.578	7,095.31	1,580.26	1,647.00	1,863.21	0.00	0.00	0.00
9,100.00	89.90	90.578	7,095.49	1,579.26	1,747.00	1,961.95	0.00	0.00	0.00
9,200.00	89.90	90.578	7,095.67	1,578.25	1,846.99	2,060.69	0.00	0.00	0.00
9,300.00	89.90	90.578	7,095.85	1,577.24	1,946.99	2,159.43	0.00	0.00	0.00
9,400.00	89.90	90.578	7,096.02	1,576.23	2,046.98	2,258.17	0.00	0.00	0.00
9,500.00	89.90	90.578	7,096.20	1,575.22	2,146.98	2,356.91	0.00	0.00	0.00
9,600.00	89.90	90.578	7,096.38	1,574.21	2,246.97	2,455.64	0.00	0.00	0.00
9,700.00	89.90	90.578	7,096.56	1,573.20	2,346.97	2,554.38	0.00	0.00	0.00
9,800.00	89.90	90.578	7,096.74	1,572.20	2,446.96	2,653.12	0.00	0.00	0.00
9,900.00	89.90	90.578	7,096.92	1,571.19	2,546.96	2,751.86	0.00	0.00	0.00
10,000.00	89.90	90.578	7,097.10	1,570.18	2,646.95	2,850.60	0.00	0.00	0.00
10,100.00	89.90	90.578	7,097.28	1,569.17	2,746.95	2,949.34	0.00	0.00	0.00
10,200.00	89.90	90.578	7,097.46	1,568.16	2,846.94	3,048.08	0.00	0.00	0.00
10,300.00	89.90	90.578	7,097.64	1,567.15	2,946.94	3,146.81	0.00	0.00	0.00
10,400.00	89.90	90.578	7,097.81	1,566.14	3,046.93	3,245.55	0.00	0.00	0.00

<b>Database:</b>	Grand Junction	<b>Local Co-ordinate Reference:</b>	Well Ardourel 33081718 #5HL - Slot 5
<b>Company:</b>	NueVida Resources, LLC	<b>TVD Reference:</b>	GL 6719' & RKB 25' @ 6744.00ft
<b>Project:</b>	La Plata County, CO (NAD83)	<b>MD Reference:</b>	GL 6719' & RKB 25' @ 6744.00ft
<b>Site:</b>	33N 08W Sec 18	<b>North Reference:</b>	Grid
<b>Well:</b>	Ardourel 33081718 #5HL	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	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)
10,500.00	89.90	90.578	7,097.99	1,565.13	3,146.93	3,344.29	0.00	0.00	0.00
10,600.00	89.90	90.578	7,098.17	1,564.13	3,246.92	3,443.03	0.00	0.00	0.00
10,700.00	89.90	90.578	7,098.35	1,563.12	3,346.91	3,541.77	0.00	0.00	0.00
10,800.00	89.90	90.578	7,098.53	1,562.11	3,446.91	3,640.51	0.00	0.00	0.00
10,900.00	89.90	90.578	7,098.71	1,561.10	3,546.90	3,739.25	0.00	0.00	0.00
11,000.00	89.90	90.578	7,098.89	1,560.09	3,646.90	3,837.99	0.00	0.00	0.00
11,100.00	89.90	90.578	7,099.07	1,559.08	3,746.89	3,936.72	0.00	0.00	0.00
11,200.00	89.90	90.578	7,099.25	1,558.07	3,846.89	4,035.46	0.00	0.00	0.00
11,300.00	89.90	90.578	7,099.43	1,557.07	3,946.88	4,134.20	0.00	0.00	0.00
11,400.00	89.90	90.578	7,099.61	1,556.06	4,046.88	4,232.94	0.00	0.00	0.00
11,500.00	89.90	90.578	7,099.78	1,555.05	4,146.87	4,331.68	0.00	0.00	0.00
11,600.00	89.90	90.578	7,099.96	1,554.04	4,246.87	4,430.42	0.00	0.00	0.00
11,700.00	89.90	90.578	7,100.14	1,553.03	4,346.86	4,529.16	0.00	0.00	0.00
11,800.00	89.90	90.578	7,100.32	1,552.02	4,446.86	4,627.89	0.00	0.00	0.00
11,900.00	89.90	90.578	7,100.50	1,551.01	4,546.85	4,726.63	0.00	0.00	0.00
12,000.00	89.90	90.578	7,100.68	1,550.00	4,646.85	4,825.37	0.00	0.00	0.00
12,100.00	89.90	90.578	7,100.86	1,549.00	4,746.84	4,924.11	0.00	0.00	0.00
12,200.00	89.90	90.578	7,101.04	1,547.99	4,846.84	5,022.85	0.00	0.00	0.00
12,300.00	89.90	90.578	7,101.22	1,546.98	4,946.83	5,121.59	0.00	0.00	0.00
12,400.00	89.90	90.578	7,101.40	1,545.97	5,046.83	5,220.33	0.00	0.00	0.00
12,500.00	89.90	90.578	7,101.57	1,544.96	5,146.82	5,319.07	0.00	0.00	0.00
12,600.00	89.90	90.578	7,101.75	1,543.95	5,246.82	5,417.80	0.00	0.00	0.00
12,700.00	89.90	90.578	7,101.93	1,542.94	5,346.81	5,516.54	0.00	0.00	0.00
12,800.00	89.90	90.578	7,102.11	1,541.93	5,446.80	5,615.28	0.00	0.00	0.00
12,900.00	89.90	90.578	7,102.29	1,540.93	5,546.80	5,714.02	0.00	0.00	0.00
13,000.00	89.90	90.578	7,102.47	1,539.92	5,646.79	5,812.76	0.00	0.00	0.00
13,100.00	89.90	90.578	7,102.65	1,538.91	5,746.79	5,911.50	0.00	0.00	0.00
13,200.00	89.90	90.578	7,102.83	1,537.90	5,846.78	6,010.24	0.00	0.00	0.00
13,300.00	89.90	90.578	7,103.01	1,536.89	5,946.78	6,108.97	0.00	0.00	0.00
13,400.00	89.90	90.578	7,103.19	1,535.88	6,046.77	6,207.71	0.00	0.00	0.00
13,500.00	89.90	90.578	7,103.36	1,534.87	6,146.77	6,306.45	0.00	0.00	0.00
13,600.00	89.90	90.578	7,103.54	1,533.87	6,246.76	6,405.19	0.00	0.00	0.00
13,700.00	89.90	90.578	7,103.72	1,532.86	6,346.76	6,503.93	0.00	0.00	0.00
13,800.00	89.90	90.578	7,103.90	1,531.85	6,446.75	6,602.67	0.00	0.00	0.00
13,900.00	89.90	90.578	7,104.08	1,530.84	6,546.75	6,701.41	0.00	0.00	0.00
14,000.00	89.90	90.578	7,104.26	1,529.83	6,646.74	6,800.15	0.00	0.00	0.00
14,100.00	89.90	90.578	7,104.44	1,528.82	6,746.74	6,898.88	0.00	0.00	0.00
14,200.00	89.90	90.578	7,104.62	1,527.81	6,846.73	6,997.62	0.00	0.00	0.00
14,300.00	89.90	90.578	7,104.80	1,526.80	6,946.73	7,096.36	0.00	0.00	0.00
14,400.00	89.90	90.578	7,104.98	1,525.80	7,046.72	7,195.10	0.00	0.00	0.00
14,500.00	89.90	90.578	7,105.15	1,524.79	7,146.72	7,293.84	0.00	0.00	0.00
14,600.00	89.90	90.578	7,105.33	1,523.78	7,246.71	7,392.58	0.00	0.00	0.00
14,700.00	89.90	90.578	7,105.51	1,522.77	7,346.71	7,491.32	0.00	0.00	0.00
14,800.00	89.90	90.578	7,105.69	1,521.76	7,446.70	7,590.05	0.00	0.00	0.00
14,900.00	89.90	90.578	7,105.87	1,520.75	7,546.69	7,688.79	0.00	0.00	0.00
15,000.00	89.90	90.578	7,106.05	1,519.74	7,646.69	7,787.53	0.00	0.00	0.00
15,100.00	89.90	90.578	7,106.23	1,518.74	7,746.68	7,886.27	0.00	0.00	0.00
15,200.00	89.90	90.578	7,106.41	1,517.73	7,846.68	7,985.01	0.00	0.00	0.00
15,300.00	89.90	90.578	7,106.59	1,516.72	7,946.67	8,083.75	0.00	0.00	0.00
15,400.00	89.90	90.578	7,106.77	1,515.71	8,046.67	8,182.49	0.00	0.00	0.00
15,500.00	89.90	90.578	7,106.94	1,514.70	8,146.66	8,281.23	0.00	0.00	0.00
15,600.00	89.90	90.578	7,107.12	1,513.69	8,246.66	8,379.96	0.00	0.00	0.00
15,700.00	89.90	90.578	7,107.30	1,512.68	8,346.65	8,478.70	0.00	0.00	0.00
15,800.00	89.90	90.578	7,107.48	1,511.67	8,446.65	8,577.44	0.00	0.00	0.00

<b>Database:</b>	Grand Junction	<b>Local Co-ordinate Reference:</b>	Well Ardourel 33081718 #5HL - Slot 5
<b>Company:</b>	NueVida Resources, LLC	<b>TVD Reference:</b>	GL 6719' & RKB 25' @ 6744.00ft
<b>Project:</b>	La Plata County, CO (NAD83)	<b>MD Reference:</b>	GL 6719' & RKB 25' @ 6744.00ft
<b>Site:</b>	33N 08W Sec 18	<b>North Reference:</b>	Grid
<b>Well:</b>	Ardourel 33081718 #5HL	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	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)
15,900.00	89.90	90.578	7,107.66	1,510.67	8,546.64	8,676.18	0.00	0.00	0.00
16,000.00	89.90	90.578	7,107.84	1,509.66	8,646.64	8,774.92	0.00	0.00	0.00
16,100.00	89.90	90.578	7,108.02	1,508.65	8,746.63	8,873.66	0.00	0.00	0.00
16,200.00	89.90	90.578	7,108.20	1,507.64	8,846.63	8,972.40	0.00	0.00	0.00
16,300.00	89.90	90.578	7,108.38	1,506.63	8,946.62	9,071.13	0.00	0.00	0.00
16,400.00	89.90	90.578	7,108.56	1,505.62	9,046.62	9,169.87	0.00	0.00	0.00
16,500.00	89.90	90.578	7,108.73	1,504.61	9,146.61	9,268.61	0.00	0.00	0.00
16,600.00	89.90	90.578	7,108.91	1,503.60	9,246.61	9,367.35	0.00	0.00	0.00
16,700.00	89.90	90.578	7,109.09	1,502.60	9,346.60	9,466.09	0.00	0.00	0.00
16,800.00	89.90	90.578	7,109.27	1,501.59	9,446.59	9,564.83	0.00	0.00	0.00
16,900.00	89.90	90.578	7,109.45	1,500.58	9,546.59	9,663.57	0.00	0.00	0.00
17,000.00	89.90	90.578	7,109.63	1,499.57	9,646.58	9,762.31	0.00	0.00	0.00
17,100.00	89.90	90.578	7,109.81	1,498.56	9,746.58	9,861.04	0.00	0.00	0.00
17,200.00	89.90	90.578	7,109.99	1,497.55	9,846.57	9,959.78	0.00	0.00	0.00
17,206.90	89.90	90.578	7,110.00	1,497.48	9,853.47	9,966.60	0.00	0.00	0.00
17,300.00	89.90	90.578	7,110.17	1,496.54	9,946.57	10,058.52	0.00	0.00	0.00
17,327.87	89.90	90.578	7,110.22	1,496.26	9,974.44	10,086.04	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
5HL LP - plan hits target center - Point	0.00	0.000	7,093.00	1,593.27	357.41	1,167,880.68	2,339,066.75	37.105700	-107.766524
5HL PBHL - plan misses target center by 1.28ft at 17207.88ft MD (7110.00 TVD, 1497.47 N, 9854.46 E) - Point	0.00	0.000	7,110.00	1,498.75	9,854.47	1,167,786.16	2,348,563.79	37.106068	-107.733961
5HL BHL - plan hits target center - Point	0.00	0.000	7,110.22	1,496.26	9,974.44	1,167,783.67	2,348,683.76	37.106069	-107.733549

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)	
500.00	500.00	20"	20.00	26.00	
3,379.93	3,300.00	13 3/8"	13.37	17.50	
6,483.98	6,300.00	9 5/8"	9.62	12.25	
17,327.87	7,110.22	5 1/2"	5.50	6.00	



<b>Database:</b>	Grand Junction	<b>Local Co-ordinate Reference:</b>	Well Ardourel 33081718 #5HL - Slot 5
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<b>Project:</b>	La Plata County, CO (NAD83)	<b>MD Reference:</b>	GL 6719' & RKB 25' @ 6744.00ft
<b>Site:</b>	33N 08W Sec 18	<b>North Reference:</b>	Grid
<b>Well:</b>	Ardourel 33081718 #5HL	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
1,739.96	1,715.00	Ojo Alamo		0.00	0.000	
1,793.76	1,767.00	Kirtland		0.00	0.000	
2,713.60	2,656.00	Fruitland		0.00	0.000	
3,175.06	3,102.00	Pictured Cliffs		0.00	0.000	
3,273.36	3,197.00	Lewis		0.00	0.000	
4,987.83	4,854.00	Cliff House		0.00	0.000	
5,438.95	5,290.00	Menefee		0.00	0.000	
5,711.07	5,553.00	Point Lookout		0.00	0.000	
6,119.77	5,948.00	Mancos-A		0.00	0.000	
6,251.17	6,075.00	Mancos-A1		0.00	0.000	
6,418.79	6,237.00	Mancos-B1		0.00	0.000	
6,612.16	6,424.00	Mancos-C		0.00	0.000	
6,764.72	6,570.00	Mancos-Z		0.00	0.000	
6,871.52	6,668.00	UNIO		0.00	0.000	
6,903.18	6,696.00	UNIO-10		0.00	0.000	
6,951.98	6,738.00	UNIO-20		0.00	0.000	
6,995.33	6,774.00	UNIO-30		0.00	0.000	
7,039.15	6,809.00	UNIO-40		0.00	0.000	
7,061.15	6,826.00	UNIO-60		0.00	0.000	
7,140.71	6,884.00	UNIO-70		0.00	0.000	
7,199.41	6,923.00	EL VADO		0.00	0.000	
7,228.43	6,941.00	ELV-10		0.00	0.000	
7,252.06	6,955.00	UNIO-80		0.00	0.000	
7,276.78	6,969.00	ELV-20		0.00	0.000	
7,326.33	6,995.00	ELV-30		0.00	0.000	
7,377.83	7,019.00	ELV-50		0.00	0.000	
7,443.67	7,045.00	LNIO		0.00	0.000	
7,476.69	7,056.00	LNIO-10		0.00	0.000	
7,507.48	7,065.00	LNIO-20		0.00	0.000	
7,534.98	7,072.00	LNIO-30		0.00	0.000	
7,710.34	7,093.00	LNIO-40 TARGET		0.00	0.000	
13,855.17	7,104.00	LNIO-50		0.00	0.000	

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	
1,243.84	1,235.51	93.08	-23.61	Start 5295.71 hold at 1243.84 MD	
6,539.54	6,353.70	1,410.97	-357.88	KOP/EOT	
7,710.34	7,093.00	1,593.27	357.41	LP / 7" Casing	
17,206.90	7,110.00	1,497.48	9,853.47	PBHL	
17,327.87	7,110.22	1,496.26	9,974.44	BHL	