

NueVida Resources, LLC

La Plata County, CO

33N 08W SEC 18

ARDOUREL 33081718 #3HL

Original Hole

Plan: Rev 2

Standard Planning Report

07 September, 2022



Planning Report



Database:	EDM 5000.1 Seideltech	Local Co-ordinate Reference:	Well ARDOUREL 33081718 #3HL
Company:	NueVida Resources, LLC	TVD Reference:	KB 22Ft @ 6741.00ft (Aztec 1000)
Project:	La Plata County, CO	MD Reference:	KB 22Ft @ 6741.00ft (Aztec 1000)
Site:	33N 08W SEC 18	North Reference:	Grid
Well:	ARDOUREL 33081718 #3HL	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Rev 2		

Project	La Plata County, CO		
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:	1,166,247.72 usft	Latitude:	37.101193
From:	Map	Easting:	2,338,714.35 usft	Longitude:	-107.767596
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in	Grid Convergence:	-1.39 °

Well	ARDOUREL 33081718 #3HL, 33N 08W SEC 18 NWSW					
Well Position	+N/-S	0.00 ft	Northing:	1,166,247.72 usft	Latitude:	37.101193
	+E/-W	0.00 ft	Easting:	2,338,714.35 usft	Longitude:	-107.767596
Position Uncertainty		0.00 ft	Wellhead Elevation:	6,720.00 ft	Ground Level:	6,720.00 ft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	02/23/21	8.96	63.50	49,830

Design	Rev 2			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	0.00	0.00	0.00	90.55

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,278.86	5.58	269.91	2,278.42	-0.02	-13.56	2.00	2.00	0.00	269.91	
6,342.89	5.58	269.91	6,323.21	-0.63	-408.52	0.00	0.00	0.00	0.00	
7,541.37	90.30	90.52	7,109.00	-8.00	308.01	8.00	7.07	-14.97	-179.39	
17,056.66	90.30	90.52	7,059.00	-94.99	9,822.78	0.00	0.00	0.00	0.00	ARDOUREL 3308171
17,166.66	90.30	90.52	7,058.42	-96.00	9,932.77	0.00	0.00	0.00	0.00	

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Site:	33N 08W SEC 18	North Reference:	Grid
Well:	ARDOUREL 33081718 #3HL	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Rev 2		

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
13-3/8" Csg									
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,728.00	0.00	0.00	1,728.00	0.00	0.00	0.00	0.00	0.00	0.00
Ojo Alamo									
1,780.00	0.00	0.00	1,780.00	0.00	0.00	0.00	0.00	0.00	0.00
Kirtland									
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
Build 2"/100 DLS									
2,100.00	2.00	269.91	2,099.98	0.00	-1.75	-1.75	2.00	2.00	0.00
2,200.00	4.00	269.91	2,199.84	-0.01	-6.98	-6.98	2.00	2.00	0.00
2,278.86	5.58	269.91	2,278.42	-0.02	-13.56	-13.56	2.00	2.00	0.00
Hold INC									
2,300.00	5.58	269.91	2,299.46	-0.02	-15.62	-15.62	0.00	0.00	0.00
2,400.00	5.58	269.91	2,398.99	-0.04	-25.33	-25.33	0.00	0.00	0.00
2,500.01	5.58	269.91	2,498.52	-0.05	-35.05	-35.05	0.00	0.00	0.00
2,600.01	5.58	269.91	2,598.04	-0.07	-44.77	-44.77	0.00	0.00	0.00
2,671.30	5.58	269.91	2,669.00	-0.08	-51.70	-51.70	0.00	0.00	0.00
Fruitland									
2,700.01	5.58	269.91	2,697.57	-0.08	-54.49	-54.49	0.00	0.00	0.00
2,800.01	5.58	269.91	2,797.10	-0.10	-64.21	-64.21	0.00	0.00	0.00
2,900.01	5.58	269.91	2,896.63	-0.11	-73.93	-73.92	0.00	0.00	0.00
3,000.01	5.58	269.91	2,996.15	-0.13	-83.65	-83.64	0.00	0.00	0.00
3,100.01	5.58	269.91	3,095.68	-0.14	-93.36	-93.36	0.00	0.00	0.00
3,110.38	5.58	269.91	3,106.00	-0.14	-94.37	-94.37	0.00	0.00	0.00
Pictured Cliffs									
3,200.01	5.58	269.91	3,195.21	-0.16	-103.08	-103.08	0.00	0.00	0.00
3,300.01	5.58	269.91	3,294.73	-0.17	-112.80	-112.79	0.00	0.00	0.00
3,400.01	5.58	269.91	3,394.26	-0.19	-122.52	-122.51	0.00	0.00	0.00
3,500.01	5.58	269.91	3,493.79	-0.20	-132.24	-132.23	0.00	0.00	0.00
3,600.01	5.58	269.91	3,593.31	-0.22	-141.96	-141.95	0.00	0.00	0.00
3,700.01	5.58	269.91	3,692.84	-0.23	-151.68	-151.67	0.00	0.00	0.00
3,800.01	5.58	269.91	3,792.37	-0.25	-161.39	-161.38	0.00	0.00	0.00
3,900.01	5.58	269.91	3,891.89	-0.26	-171.11	-171.10	0.00	0.00	0.00
4,000.01	5.58	269.91	3,991.42	-0.28	-180.83	-180.82	0.00	0.00	0.00

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Wellbore:	Original Hole		
Design:	Rev 2		

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)
4,100.01	5.58	269.91	4,090.95	-0.29	-190.55	-190.54	0.00	0.00	0.00
4,200.01	5.58	269.91	4,190.47	-0.31	-200.27	-200.26	0.00	0.00	0.00
4,300.01	5.58	269.91	4,290.00	-0.32	-209.99	-209.97	0.00	0.00	0.00
4,400.01	5.58	269.91	4,389.53	-0.34	-219.71	-219.69	0.00	0.00	0.00
4,500.01	5.58	269.91	4,489.05	-0.35	-229.42	-229.41	0.00	0.00	0.00
4,600.01	5.58	269.91	4,588.58	-0.37	-239.14	-239.13	0.00	0.00	0.00
4,700.01	5.58	269.91	4,688.11	-0.38	-248.86	-248.85	0.00	0.00	0.00
4,800.01	5.58	269.91	4,787.64	-0.40	-258.58	-258.56	0.00	0.00	0.00
4,871.71	5.58	269.91	4,859.00	-0.41	-265.55	-265.53	0.00	0.00	0.00
Cliff House									
4,900.01	5.58	269.91	4,887.16	-0.41	-268.30	-268.28	0.00	0.00	0.00
5,000.01	5.58	269.91	4,986.69	-0.43	-278.02	-278.00	0.00	0.00	0.00
5,100.01	5.58	269.91	5,086.22	-0.44	-287.73	-287.72	0.00	0.00	0.00
5,200.01	5.58	269.91	5,185.74	-0.46	-297.45	-297.44	0.00	0.00	0.00
5,300.01	5.58	269.91	5,285.27	-0.47	-307.17	-307.15	0.00	0.00	0.00
5,309.79	5.58	269.91	5,295.00	-0.47	-308.12	-308.10	0.00	0.00	0.00
Menefee									
5,400.01	5.58	269.91	5,384.80	-0.49	-316.89	-316.87	0.00	0.00	0.00
5,500.01	5.58	269.91	5,484.32	-0.50	-326.61	-326.59	0.00	0.00	0.00
5,574.04	5.58	269.91	5,558.00	-0.51	-333.80	-333.78	0.00	0.00	0.00
Point Lookout									
5,600.01	5.58	269.91	5,583.85	-0.52	-336.33	-336.31	0.00	0.00	0.00
5,700.01	5.58	269.91	5,683.38	-0.53	-346.05	-346.02	0.00	0.00	0.00
5,800.01	5.58	269.91	5,782.90	-0.54	-355.76	-355.74	0.00	0.00	0.00
5,900.01	5.58	269.91	5,882.43	-0.56	-365.48	-365.46	0.00	0.00	0.00
5,970.92	5.58	269.91	5,953.00	-0.57	-372.37	-372.35	0.00	0.00	0.00
Mancos-A									
6,000.01	5.58	269.91	5,981.96	-0.57	-375.20	-375.18	0.00	0.00	0.00
6,100.01	5.58	269.91	6,081.48	-0.59	-384.92	-384.90	0.00	0.00	0.00
6,200.01	5.58	269.91	6,181.01	-0.60	-394.64	-394.61	0.00	0.00	0.00
6,269.33	5.58	269.91	6,250.00	-0.61	-401.38	-401.35	0.00	0.00	0.00
9 5/8" Csg									
6,300.01	5.58	269.91	6,280.54	-0.62	-404.36	-404.33	0.00	0.00	0.00
6,342.89	5.58	269.91	6,323.21	-0.63	-408.52	-408.50	0.00	0.00	0.00
KOP, Build 8°/100 DLS									
6,400.01	1.01	267.13	6,380.23	-0.66	-411.80	-411.78	8.00	-8.00	-4.87
6,500.01	6.99	91.01	6,480.01	-0.81	-406.59	-406.56	8.00	5.98	-176.12
6,600.01	14.99	90.75	6,578.09	-1.08	-387.54	-387.51	8.00	8.00	-0.26
6,700.01	22.99	90.66	6,672.57	-1.48	-355.02	-354.99	8.00	8.00	-0.08
6,700.48	23.03	90.66	6,673.00	-1.48	-354.84	-354.81	8.23	8.23	-0.06
UNIO									
6,800.01	30.99	90.62	6,761.61	-1.99	-309.67	-309.64	8.00	8.00	-0.04
6,900.01	38.99	90.60	6,843.46	-2.60	-252.37	-252.34	8.00	8.00	-0.03
7,000.01	46.99	90.58	6,916.55	-3.30	-184.24	-184.20	8.00	8.00	-0.02
7,017.02	48.35	90.58	6,928.00	-3.42	-171.67	-171.62	8.01	8.01	-0.02
EL VADO									
7,100.01	54.99	90.57	6,979.44	-4.07	-106.60	-106.56	8.00	8.00	-0.01
7,200.01	62.99	90.55	7,030.91	-4.91	-20.96	-20.91	8.00	8.00	-0.01
7,244.83	66.58	90.55	7,050.00	-5.30	19.58	19.63	8.00	8.00	-0.01
LNIO									
7,300.01	70.99	90.54	7,069.96	-5.79	71.00	71.06	8.00	8.00	-0.01
7,400.01	78.99	90.54	7,095.83	-6.70	167.51	167.57	8.00	8.00	-0.01
7,500.02	86.99	90.53	7,108.02	-7.62	266.68	266.74	8.00	8.00	-0.01

Planning Report



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Wellbore:	Original Hole		
Design:	Rev 2		

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)
7,541.37	90.30	90.52	7,109.00	-8.00	308.01	308.07	8.00	8.00	-0.01
Landing Tgt / EP - LNIO-50 TARGET									
7,600.02	90.30	90.52	7,108.69	-8.54	366.66	366.72	0.00	0.00	0.00
7,700.02	90.30	90.52	7,108.17	-9.45	466.65	466.72	0.00	0.00	0.00
7,800.02	90.30	90.52	7,107.64	-10.36	566.65	566.72	0.00	0.00	0.00
7,900.02	90.30	90.52	7,107.12	-11.28	666.64	666.72	0.00	0.00	0.00
8,000.02	90.30	90.52	7,106.59	-12.19	766.64	766.72	0.00	0.00	0.00
8,100.02	90.30	90.52	7,106.06	-13.11	866.63	866.72	0.00	0.00	0.00
8,200.02	90.30	90.52	7,105.54	-14.02	966.63	966.72	0.00	0.00	0.00
8,300.02	90.30	90.52	7,105.01	-14.94	1,066.62	1,066.71	0.00	0.00	0.00
8,400.02	90.30	90.52	7,104.49	-15.85	1,166.61	1,166.71	0.00	0.00	0.00
8,500.02	90.30	90.52	7,103.96	-16.76	1,266.61	1,266.71	0.00	0.00	0.00
8,600.02	90.30	90.52	7,103.44	-17.68	1,366.60	1,366.71	0.00	0.00	0.00
8,700.02	90.30	90.52	7,102.91	-18.59	1,466.60	1,466.71	0.00	0.00	0.00
8,800.02	90.30	90.52	7,102.39	-19.51	1,566.59	1,566.71	0.00	0.00	0.00
8,900.02	90.30	90.52	7,101.86	-20.42	1,666.59	1,666.71	0.00	0.00	0.00
9,000.02	90.30	90.52	7,101.34	-21.34	1,766.58	1,766.71	0.00	0.00	0.00
9,100.02	90.30	90.52	7,100.81	-22.25	1,866.58	1,866.70	0.00	0.00	0.00
9,200.02	90.30	90.52	7,100.28	-23.16	1,966.57	1,966.70	0.00	0.00	0.00
9,300.02	90.30	90.52	7,099.76	-24.08	2,066.57	2,066.70	0.00	0.00	0.00
9,400.02	90.30	90.52	7,099.23	-24.99	2,166.56	2,166.70	0.00	0.00	0.00
9,500.02	90.30	90.52	7,098.71	-25.91	2,266.56	2,266.70	0.00	0.00	0.00
9,600.02	90.30	90.52	7,098.18	-26.82	2,366.55	2,366.70	0.00	0.00	0.00
9,700.02	90.30	90.52	7,097.66	-27.73	2,466.54	2,466.70	0.00	0.00	0.00
9,800.02	90.30	90.52	7,097.13	-28.65	2,566.54	2,566.70	0.00	0.00	0.00
9,900.02	90.30	90.52	7,096.61	-29.56	2,666.53	2,666.70	0.00	0.00	0.00
10,000.02	90.30	90.52	7,096.08	-30.48	2,766.53	2,766.69	0.00	0.00	0.00
10,100.02	90.30	90.52	7,095.56	-31.39	2,866.52	2,866.69	0.00	0.00	0.00
10,200.02	90.30	90.52	7,095.03	-32.31	2,966.52	2,966.69	0.00	0.00	0.00
10,300.02	90.30	90.52	7,094.50	-33.22	3,066.51	3,066.69	0.00	0.00	0.00
10,400.02	90.30	90.52	7,093.98	-34.13	3,166.51	3,166.69	0.00	0.00	0.00
10,500.02	90.30	90.52	7,093.45	-35.05	3,266.50	3,266.69	0.00	0.00	0.00
10,600.02	90.30	90.52	7,092.93	-35.96	3,366.50	3,366.69	0.00	0.00	0.00
10,700.02	90.30	90.52	7,092.40	-36.88	3,466.49	3,466.69	0.00	0.00	0.00
10,800.02	90.30	90.52	7,091.88	-37.79	3,566.49	3,566.68	0.00	0.00	0.00
10,900.02	90.30	90.52	7,091.35	-38.71	3,666.48	3,666.68	0.00	0.00	0.00
11,000.02	90.30	90.52	7,090.83	-39.62	3,766.48	3,766.68	0.00	0.00	0.00
11,100.02	90.30	90.52	7,090.30	-40.53	3,866.47	3,866.68	0.00	0.00	0.00
11,200.02	90.30	90.52	7,089.78	-41.45	3,966.46	3,966.68	0.00	0.00	0.00
11,300.02	90.30	90.52	7,089.25	-42.36	4,066.46	4,066.68	0.00	0.00	0.00
11,400.02	90.30	90.52	7,088.72	-43.28	4,166.45	4,166.68	0.00	0.00	0.00
11,500.02	90.30	90.52	7,088.20	-44.19	4,266.45	4,266.68	0.00	0.00	0.00
11,600.02	90.30	90.52	7,087.67	-45.10	4,366.44	4,366.67	0.00	0.00	0.00
11,700.02	90.30	90.52	7,087.15	-46.02	4,466.44	4,466.67	0.00	0.00	0.00
11,800.02	90.30	90.52	7,086.62	-46.93	4,566.43	4,566.67	0.00	0.00	0.00
11,900.02	90.30	90.52	7,086.10	-47.85	4,666.43	4,666.67	0.00	0.00	0.00
12,000.02	90.30	90.52	7,085.57	-48.76	4,766.42	4,766.67	0.00	0.00	0.00
12,100.02	90.30	90.52	7,085.05	-49.68	4,866.42	4,866.67	0.00	0.00	0.00
12,200.02	90.30	90.52	7,084.52	-50.59	4,966.41	4,966.67	0.00	0.00	0.00
12,300.02	90.30	90.52	7,083.99	-51.50	5,066.41	5,066.67	0.00	0.00	0.00
12,400.03	90.30	90.52	7,083.47	-52.42	5,166.40	5,166.67	0.00	0.00	0.00
12,500.03	90.30	90.52	7,082.94	-53.33	5,266.39	5,266.66	0.00	0.00	0.00
12,600.03	90.30	90.52	7,082.42	-54.25	5,366.39	5,366.66	0.00	0.00	0.00
12,700.03	90.30	90.52	7,081.89	-55.16	5,466.38	5,466.66	0.00	0.00	0.00

Planning Report



Database:	EDM 5000.1 Seideltech	Local Co-ordinate Reference:	Well ARDOUREL 33081718 #3HL
Company:	NueVida Resources, LLC	TVD Reference:	KB 22Ft @ 6741.00ft (Aztec 1000)
Project:	La Plata County, CO	MD Reference:	KB 22Ft @ 6741.00ft (Aztec 1000)
Site:	33N 08W SEC 18	North Reference:	Grid
Well:	ARDOUREL 33081718 #3HL	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Rev 2		

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)
12,800.03	90.30	90.52	7,081.37	-56.08	5,566.38	5,566.66	0.00	0.00	0.00
12,900.03	90.30	90.52	7,080.84	-56.99	5,666.37	5,666.66	0.00	0.00	0.00
13,000.03	90.30	90.52	7,080.32	-57.90	5,766.37	5,766.66	0.00	0.00	0.00
13,100.03	90.30	90.52	7,079.79	-58.82	5,866.36	5,866.66	0.00	0.00	0.00
13,200.03	90.30	90.52	7,079.27	-59.73	5,966.36	5,966.66	0.00	0.00	0.00
13,300.03	90.30	90.52	7,078.74	-60.65	6,066.35	6,066.65	0.00	0.00	0.00
13,400.03	90.30	90.52	7,078.21	-61.56	6,166.35	6,166.65	0.00	0.00	0.00
13,500.03	90.30	90.52	7,077.69	-62.47	6,266.34	6,266.65	0.00	0.00	0.00
13,600.03	90.30	90.52	7,077.16	-63.39	6,366.34	6,366.65	0.00	0.00	0.00
13,700.03	90.30	90.52	7,076.64	-64.30	6,466.33	6,466.65	0.00	0.00	0.00
13,800.03	90.30	90.52	7,076.11	-65.22	6,566.33	6,566.65	0.00	0.00	0.00
13,900.03	90.30	90.52	7,075.59	-66.13	6,666.32	6,666.65	0.00	0.00	0.00
14,000.03	90.30	90.52	7,075.06	-67.05	6,766.31	6,766.65	0.00	0.00	0.00
14,100.03	90.30	90.52	7,074.54	-67.96	6,866.31	6,866.65	0.00	0.00	0.00
14,200.03	90.30	90.52	7,074.01	-68.87	6,966.30	6,966.64	0.00	0.00	0.00
14,300.03	90.30	90.52	7,073.49	-69.79	7,066.30	7,066.64	0.00	0.00	0.00
14,400.03	90.30	90.52	7,072.96	-70.70	7,166.29	7,166.64	0.00	0.00	0.00
14,500.03	90.30	90.52	7,072.43	-71.62	7,266.29	7,266.64	0.00	0.00	0.00
14,600.03	90.30	90.52	7,071.91	-72.53	7,366.28	7,366.64	0.00	0.00	0.00
14,700.03	90.30	90.52	7,071.38	-73.45	7,466.28	7,466.64	0.00	0.00	0.00
14,800.03	90.30	90.52	7,070.86	-74.36	7,566.27	7,566.64	0.00	0.00	0.00
14,900.03	90.30	90.52	7,070.33	-75.27	7,666.27	7,666.64	0.00	0.00	0.00
15,000.03	90.30	90.52	7,069.81	-76.19	7,766.26	7,766.63	0.00	0.00	0.00
15,100.03	90.30	90.52	7,069.28	-77.10	7,866.26	7,866.63	0.00	0.00	0.00
15,200.03	90.30	90.52	7,068.76	-78.02	7,966.25	7,966.63	0.00	0.00	0.00
15,300.03	90.30	90.52	7,068.23	-78.93	8,066.24	8,066.63	0.00	0.00	0.00
15,400.03	90.30	90.52	7,067.71	-79.85	8,166.24	8,166.63	0.00	0.00	0.00
15,500.03	90.30	90.52	7,067.18	-80.76	8,266.23	8,266.63	0.00	0.00	0.00
15,600.03	90.30	90.52	7,066.65	-81.67	8,366.23	8,366.63	0.00	0.00	0.00
15,700.03	90.30	90.52	7,066.13	-82.59	8,466.22	8,466.63	0.00	0.00	0.00
15,800.03	90.30	90.52	7,065.60	-83.50	8,566.22	8,566.62	0.00	0.00	0.00
15,900.03	90.30	90.52	7,065.08	-84.42	8,666.21	8,666.62	0.00	0.00	0.00
16,000.03	90.30	90.52	7,064.55	-85.33	8,766.21	8,766.62	0.00	0.00	0.00
16,100.03	90.30	90.52	7,064.03	-86.24	8,866.20	8,866.62	0.00	0.00	0.00
16,200.03	90.30	90.52	7,063.50	-87.16	8,966.20	8,966.62	0.00	0.00	0.00
16,300.03	90.30	90.52	7,062.98	-88.07	9,066.19	9,066.62	0.00	0.00	0.00
16,400.03	90.30	90.52	7,062.45	-88.99	9,166.19	9,166.62	0.00	0.00	0.00
16,500.03	90.30	90.52	7,061.93	-89.90	9,266.18	9,266.62	0.00	0.00	0.00
16,600.03	90.30	90.52	7,061.40	-90.82	9,366.18	9,366.62	0.00	0.00	0.00
16,700.03	90.30	90.52	7,060.87	-91.73	9,466.17	9,466.61	0.00	0.00	0.00
16,800.03	90.30	90.52	7,060.35	-92.64	9,566.16	9,566.61	0.00	0.00	0.00
16,900.03	90.30	90.52	7,059.82	-93.56	9,666.16	9,666.61	0.00	0.00	0.00
17,000.03	90.30	90.52	7,059.30	-94.47	9,766.15	9,766.61	0.00	0.00	0.00
17,056.66	90.30	90.52	7,059.00	-94.99	9,822.78	9,823.24	0.00	0.00	0.00
PBHL/TD - 5 1/2" Csg									
17,100.03	90.30	90.52	7,058.77	-95.39	9,866.15	9,866.61	0.00	0.00	0.00
17,165.76	90.30	90.52	7,058.43	-95.99	9,931.87	9,932.33	0.00	0.00	0.00
BHL									
17,166.66	90.30	90.52	7,058.42	-96.00	9,932.77	9,933.24	0.00	0.00	0.00

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Project:	La Plata County, CO	MD Reference:	KB 22Ft @ 6741.00ft (Aztec 1000)
Site:	33N 08W SEC 18	North Reference:	Grid
Well:	ARDOUREL 33081718 #3HL	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Rev 2		

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
ARDOUREL 33081718 # - plan hits target center - Point	0.00	360.00	7,059.00	-94.99	9,822.78	1,166,152.73	2,348,537.11	37.101582	-107.733918
ARDOUREL 33081718 # - plan hits target center - Point	0.00	360.00	7,109.00	-8.00	308.01	1,166,239.72	2,339,022.36	37.101191	-107.766540

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)
500.00	500.00	13-3/8" Csg	13.375	17.500
6,269.33	6,250.00	9 5/8" Csg	9.625	12.250
17,056.66	7,059.00	5 1/2" Csg	5.500	8.500

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,728.00	1,728.00	Ojo Alamo			
1,780.00	1,780.00	Kirtland			
2,671.30	2,669.00	Fruitland			
3,110.38	3,106.00	Pictured Cliffs			
4,871.71	4,859.00	Cliff House			
5,309.79	5,295.00	Menefee			
5,574.04	5,558.00	Point Lookout			
5,970.92	5,953.00	Mancos-A			
6,700.48	6,673.00	UNIO			
7,017.02	6,928.00	EL VADO			
7,244.83	7,050.00	LNIO			
7,541.37	7,109.00	LNIO-50 TARGET			

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
2,000.00	2,000.00	0.00	0.00	Build 2°/100 DLS
2,278.86	2,278.42	-0.02	-13.56	Hold INC
6,342.89	6,323.21	-0.63	-408.52	KOP, Build 8°/100 DLS
7,541.37	7,109.00	-8.00	308.02	Landing Tgt / EP
17,056.66	7,059.00	-94.99	9,822.78	PBHL/TD
17,165.76	7,058.43	-95.99	9,931.87	BHL