

Weld County, Colorado

Section 06-T07N-R64W

Dotsero 6-07-03L

plan1

Section Details

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	Vsect	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	3000.00	0.00	0.00	3000.00	0.00	0.00	0.00	0.00	KOP Begin 1°/100' build
3	5483.16	24.83	147.03	5406.15	-444.44	288.24	1.00	-239.11	Begin 24.83° tangent
4	6746.31	24.83	147.03	6552.52	-889.49	576.89	0.00	-478.55	Begin 10°/100' build/turn
5	7781.21	90.00	270.78	7212.00	-1135.66	16.34	10.00	105.08	Begin 90.00° lateral
6	17179.98	90.00	270.78	7212.00	-1008.08	-9381.56	0.00	9435.56	PBHL/TD 17179.98 MD/7212.00 TVD

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Dotsero 6-07-03L LP 2531 FNL 470 FEL	7212.00	-1135.66	16.34	14746288.54	1755728.53	40.60216213	-104.58457535
Dotsero 6-07-03L PBHL 2531 FNL 470 FWL	7212.00	-1008.08	-9381.56	14746371.78	1746330.15	40.60250750	-104.61843208

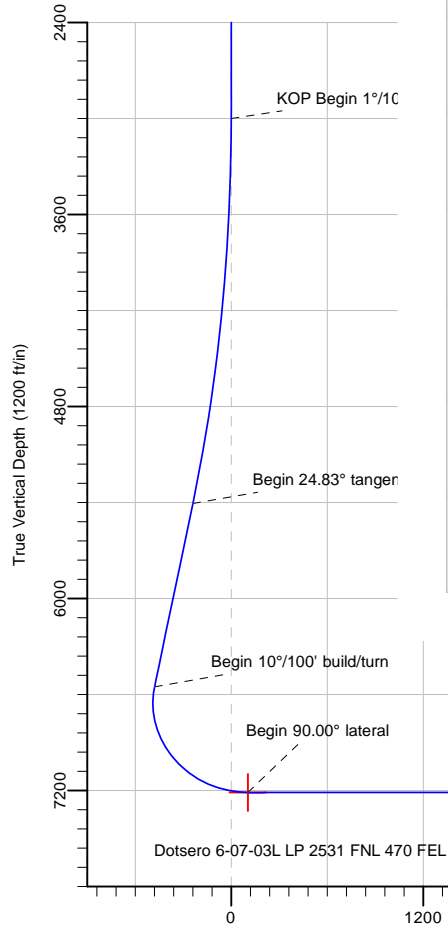
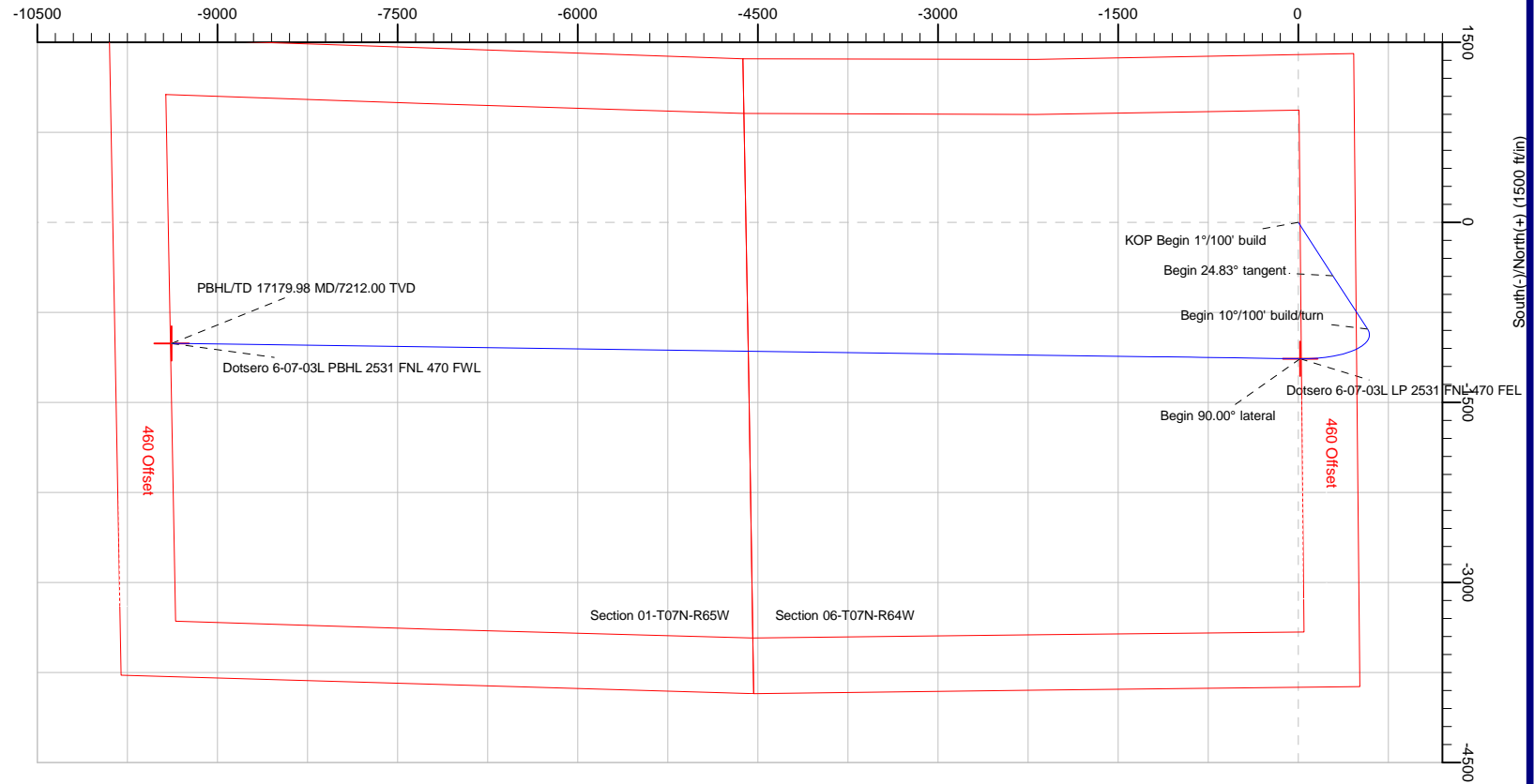
Dotsero 6-07-03L			
Surf loc: 1371 FNL 475 FEL Section 06-T07N-R64W			
NAD83 Colorado - HARN			
Universal Transverse Mercator (US Survey Feet)			
Zone 13N (108 W to 102 W)			
RKB=4995+24 @ 5019.00ft			
Northing	Easting	Latitude	Longitude
14747424.11	1755706.83	40.60528049	-104.58463422

T M
 Azimuths to True North
 Magnetic North: 8.00°
 Magnetic Field
 Strength: 52364.0snT
 Dip Angle: 66.98°
 Date: 2/18/2018
 Model: HDGM

Azimuth Corrections:

To convert a Magnetic Direction to a True Direction, Add 8.00° East

West(-)/East(+) (1500 ft/in)



Vertical Section at 263.87° (1200 ft/in)

Note: All lease lines and hard lines are estimates only and are subject to customers approval.

Database:	DB_Jul2216dt_v14	Local Co-ordinate Reference:	Well Dotsero 6-07-03L
Company:	Confluence Resources	TVD Reference:	RKB=4995+24 @ 5019.00ft
Project:	Weld County, Colorado	MD Reference:	RKB=4995+24 @ 5019.00ft
Site:	Section 06-T07N-R64W	North Reference:	True
Well:	Dotsero 6-07-03L	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	plan1		

Project	Weld County, Colorado		
Map System:	Universal Transverse Mercator (US Survey Feet)	System Datum:	Mean Sea Level
Geo Datum:	NAD83 Colorado - HARN		
Map Zone:	Zone 13N (108 W to 102 W)		

Site		Section 06-T07N-R64W			
Site Position:		Northing:	14,746,184.54 usft	Latitude:	40.60187654
From:	Map	Easting:	1,755,730.03 usft	Longitude:	-104.58457171
Position Uncertainty:	0.00 ft	Slot Radius:	13-3/16 "	Grid Convergence:	0.27 °

Well	Dotsero 6-07-03L, Surf loc: 1396 FNL 475 FEL Section 06-T07N-R64W					
Well Position	+N/-S	1,239.67 ft	Northing:	14,747,424.11 usft	Latitude:	40.60528049
	+E/-W	-17.35 ft	Easting:	1,755,706.83 usft	Longitude:	-104.58463422
Position Uncertainty		0.00 ft	Wellhead Elevation:		Ground Level:	4,995.00 ft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	2/18/2018	8.00	66.98	52,364.00000000

Design	plan1			
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	263.87

Plan Survey Tool Program	Date	2/18/2018		
Depth From (ft)	Depth To (ft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	17,179.98	plan1 (Original Hole)	

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
5,483.16	24.83	147.03	5,406.15	-444.44	288.24	1.00	1.00	0.00	147.03	
6,746.31	24.83	147.03	6,552.52	-889.49	576.89	0.00	0.00	0.00	0.00	
7,781.21	90.00	270.78	7,212.00	-1,135.66	16.34	10.00	6.30	11.96	121.23	Dotsero 6-07-03L LP :
17,179.98	90.00	270.78	7,212.00	-1,008.08	-9,381.56	0.00	0.00	0.00	0.00	Dotsero 6-07-03L PBI

Database:	DB_Jul2216dt_v14	Local Co-ordinate Reference:	Well Dotsero 6-07-03L
Company:	Confluence Resources	TVD Reference:	RKB=4995+24 @ 5019.00ft
Project:	Weld County, Colorado	MD Reference:	RKB=4995+24 @ 5019.00ft
Site:	Section 06-T07N-R64W	North Reference:	True
Well:	Dotsero 6-07-03L	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	plan1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
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
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
1,800.00	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
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
KOP Begin 1°/100' build									
3,100.00	1.00	147.03	3,099.99	-0.73	0.47	-0.39	1.00	1.00	0.00
3,200.00	2.00	147.03	3,199.96	-2.93	1.90	-1.58	1.00	1.00	0.00
3,300.00	3.00	147.03	3,299.86	-6.59	4.27	-3.54	1.00	1.00	0.00
3,400.00	4.00	147.03	3,399.68	-11.71	7.59	-6.30	1.00	1.00	0.00
3,500.00	5.00	147.03	3,499.37	-18.29	11.86	-9.84	1.00	1.00	0.00
3,600.00	6.00	147.03	3,598.90	-26.33	17.08	-14.17	1.00	1.00	0.00
3,700.00	7.00	147.03	3,698.26	-35.83	23.24	-19.28	1.00	1.00	0.00
3,800.00	8.00	147.03	3,797.40	-46.78	30.34	-25.17	1.00	1.00	0.00
3,900.00	9.00	147.03	3,896.30	-59.18	38.38	-31.84	1.00	1.00	0.00
4,000.00	10.00	147.03	3,994.93	-73.03	47.36	-39.29	1.00	1.00	0.00
4,100.00	11.00	147.03	4,093.26	-88.32	57.28	-47.52	1.00	1.00	0.00
4,200.00	12.00	147.03	4,191.25	-105.05	68.13	-56.52	1.00	1.00	0.00
4,300.00	13.00	147.03	4,288.87	-123.21	79.91	-66.29	1.00	1.00	0.00
4,400.00	14.00	147.03	4,386.11	-142.79	92.61	-76.82	1.00	1.00	0.00
4,500.00	15.00	147.03	4,482.92	-163.80	106.23	-88.12	1.00	1.00	0.00
4,600.00	16.00	147.03	4,579.29	-186.22	120.77	-100.19	1.00	1.00	0.00
4,700.00	17.00	147.03	4,675.17	-210.05	136.23	-113.01	1.00	1.00	0.00
4,800.00	18.00	147.03	4,770.54	-235.28	152.59	-126.58	1.00	1.00	0.00
4,900.00	19.00	147.03	4,865.37	-261.90	169.85	-140.90	1.00	1.00	0.00
5,000.00	20.00	147.03	4,959.63	-289.90	188.02	-155.97	1.00	1.00	0.00
5,100.00	21.00	147.03	5,053.30	-319.29	207.07	-171.78	1.00	1.00	0.00
5,200.00	22.00	147.03	5,146.34	-350.03	227.02	-188.32	1.00	1.00	0.00

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Company:	Confluence Resources	TVD Reference:	RKB=4995+24 @ 5019.00ft
Project:	Weld County, Colorado	MD Reference:	RKB=4995+24 @ 5019.00ft
Site:	Section 06-T07N-R64W	North Reference:	True
Well:	Dotsero 6-07-03L	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	plan1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,300.00	23.00	147.03	5,238.72	-382.14	247.84	-205.59	1.00	1.00	0.00
5,400.00	24.00	147.03	5,330.43	-415.60	269.54	-223.59	1.00	1.00	0.00
5,483.16	24.83	147.03	5,406.15	-444.44	288.24	-239.11	1.00	1.00	0.00
Begin 24.83° tangent									
5,500.00	24.83	147.03	5,421.43	-450.37	292.09	-242.30	0.00	0.00	0.00
5,600.00	24.83	147.03	5,512.19	-485.60	314.94	-261.26	0.00	0.00	0.00
5,700.00	24.83	147.03	5,602.94	-520.84	337.79	-280.21	0.00	0.00	0.00
5,800.00	24.83	147.03	5,693.70	-556.07	360.64	-299.17	0.00	0.00	0.00
5,900.00	24.83	147.03	5,784.45	-591.31	383.49	-318.12	0.00	0.00	0.00
6,000.00	24.83	147.03	5,875.21	-626.54	406.34	-337.08	0.00	0.00	0.00
6,100.00	24.83	147.03	5,965.96	-661.77	429.20	-356.04	0.00	0.00	0.00
6,200.00	24.83	147.03	6,056.72	-697.01	452.05	-374.99	0.00	0.00	0.00
6,300.00	24.83	147.03	6,147.47	-732.24	474.90	-393.95	0.00	0.00	0.00
6,400.00	24.83	147.03	6,238.23	-767.47	497.75	-412.90	0.00	0.00	0.00
6,500.00	24.83	147.03	6,328.98	-802.71	520.60	-431.86	0.00	0.00	0.00
6,600.00	24.83	147.03	6,419.74	-837.94	543.45	-450.82	0.00	0.00	0.00
6,700.00	24.83	147.03	6,510.49	-873.18	566.30	-469.77	0.00	0.00	0.00
6,746.31	24.83	147.03	6,552.52	-889.49	576.89	-478.55	0.00	0.00	0.00
Begin 10°/100' build/turn									
6,800.00	22.49	159.11	6,601.72	-908.56	586.69	-486.26	10.00	-4.36	22.49
6,900.00	21.13	186.00	6,694.79	-944.44	591.64	-487.35	10.00	-1.37	26.89
7,000.00	24.03	211.14	6,787.33	-979.89	579.20	-471.19	10.00	2.91	25.14
7,100.00	29.99	228.97	6,876.53	-1,013.81	549.74	-438.28	10.00	5.96	17.84
7,200.00	37.58	240.77	6,959.67	-1,045.18	504.15	-389.60	10.00	7.58	11.80
7,300.00	45.98	248.95	7,034.23	-1,073.06	443.83	-326.65	10.00	8.40	8.17
7,400.00	54.82	255.04	7,097.94	-1,096.58	370.61	-251.33	10.00	8.84	6.09
7,500.00	63.90	259.91	7,148.88	-1,115.04	286.70	-165.93	10.00	9.08	4.87
7,600.00	73.13	264.07	7,185.48	-1,127.88	194.67	-73.06	10.00	9.22	4.16
7,700.00	82.42	267.84	7,206.64	-1,134.70	97.30	24.48	10.00	9.30	3.77
7,781.21	90.00	270.78	7,212.00	-1,135.66	16.34	105.08	10.00	9.33	3.61
Begin 90.00° lateral									
7,800.00	90.00	270.78	7,212.00	-1,135.41	-2.44	123.73	0.00	0.00	0.00
7,900.00	90.00	270.78	7,212.00	-1,134.05	-102.44	223.01	0.00	0.00	0.00
8,000.00	90.00	270.78	7,212.00	-1,132.69	-202.43	322.28	0.00	0.00	0.00
8,100.00	90.00	270.78	7,212.00	-1,131.33	-302.42	421.56	0.00	0.00	0.00
8,200.00	90.00	270.78	7,212.00	-1,129.98	-402.41	520.83	0.00	0.00	0.00
8,300.00	90.00	270.78	7,212.00	-1,128.62	-502.40	620.10	0.00	0.00	0.00
8,400.00	90.00	270.78	7,212.00	-1,127.26	-602.39	719.38	0.00	0.00	0.00
8,500.00	90.00	270.78	7,212.00	-1,125.90	-702.38	818.65	0.00	0.00	0.00
8,600.00	90.00	270.78	7,212.00	-1,124.55	-802.37	917.92	0.00	0.00	0.00
8,700.00	90.00	270.78	7,212.00	-1,123.19	-902.36	1,017.20	0.00	0.00	0.00
8,800.00	90.00	270.78	7,212.00	-1,121.83	-1,002.35	1,116.47	0.00	0.00	0.00
8,900.00	90.00	270.78	7,212.00	-1,120.47	-1,102.34	1,215.74	0.00	0.00	0.00
9,000.00	90.00	270.78	7,212.00	-1,119.12	-1,202.33	1,315.02	0.00	0.00	0.00
9,100.00	90.00	270.78	7,212.00	-1,117.76	-1,302.32	1,414.29	0.00	0.00	0.00
9,200.00	90.00	270.78	7,212.00	-1,116.40	-1,402.32	1,513.56	0.00	0.00	0.00
9,300.00	90.00	270.78	7,212.00	-1,115.04	-1,502.31	1,612.84	0.00	0.00	0.00
9,400.00	90.00	270.78	7,212.00	-1,113.69	-1,602.30	1,712.11	0.00	0.00	0.00
9,500.00	90.00	270.78	7,212.00	-1,112.33	-1,702.29	1,811.38	0.00	0.00	0.00
9,600.00	90.00	270.78	7,212.00	-1,110.97	-1,802.28	1,910.66	0.00	0.00	0.00
9,700.00	90.00	270.78	7,212.00	-1,109.61	-1,902.27	2,009.93	0.00	0.00	0.00
9,800.00	90.00	270.78	7,212.00	-1,108.26	-2,002.26	2,109.20	0.00	0.00	0.00
9,900.00	90.00	270.78	7,212.00	-1,106.90	-2,102.25	2,208.48	0.00	0.00	0.00

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Project:	Weld County, Colorado	MD Reference:	RKB=4995+24 @ 5019.00ft
Site:	Section 06-T07N-R64W	North Reference:	True
Well:	Dotsero 6-07-03L	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	plan1		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
10,000.00	90.00	270.78	7,212.00	-1,105.54	-2,202.24	2,307.75	0.00	0.00	0.00	
10,100.00	90.00	270.78	7,212.00	-1,104.18	-2,302.23	2,407.02	0.00	0.00	0.00	
10,200.00	90.00	270.78	7,212.00	-1,102.83	-2,402.22	2,506.30	0.00	0.00	0.00	
10,300.00	90.00	270.78	7,212.00	-1,101.47	-2,502.21	2,605.57	0.00	0.00	0.00	
10,400.00	90.00	270.78	7,212.00	-1,100.11	-2,602.20	2,704.84	0.00	0.00	0.00	
10,500.00	90.00	270.78	7,212.00	-1,098.76	-2,702.20	2,804.12	0.00	0.00	0.00	
10,600.00	90.00	270.78	7,212.00	-1,097.40	-2,802.19	2,903.39	0.00	0.00	0.00	
10,700.00	90.00	270.78	7,212.00	-1,096.04	-2,902.18	3,002.66	0.00	0.00	0.00	
10,800.00	90.00	270.78	7,212.00	-1,094.68	-3,002.17	3,101.94	0.00	0.00	0.00	
10,900.00	90.00	270.78	7,212.00	-1,093.33	-3,102.16	3,201.21	0.00	0.00	0.00	
11,000.00	90.00	270.78	7,212.00	-1,091.97	-3,202.15	3,300.49	0.00	0.00	0.00	
11,100.00	90.00	270.78	7,212.00	-1,090.61	-3,302.14	3,399.76	0.00	0.00	0.00	
11,200.00	90.00	270.78	7,212.00	-1,089.25	-3,402.13	3,499.03	0.00	0.00	0.00	
11,300.00	90.00	270.78	7,212.00	-1,087.90	-3,502.12	3,598.31	0.00	0.00	0.00	
11,400.00	90.00	270.78	7,212.00	-1,086.54	-3,602.11	3,697.58	0.00	0.00	0.00	
11,500.00	90.00	270.78	7,212.00	-1,085.18	-3,702.10	3,796.85	0.00	0.00	0.00	
11,600.00	90.00	270.78	7,212.00	-1,083.82	-3,802.09	3,896.13	0.00	0.00	0.00	
11,700.00	90.00	270.78	7,212.00	-1,082.47	-3,902.08	3,995.40	0.00	0.00	0.00	
11,800.00	90.00	270.78	7,212.00	-1,081.11	-4,002.08	4,094.67	0.00	0.00	0.00	
11,900.00	90.00	270.78	7,212.00	-1,079.75	-4,102.07	4,193.95	0.00	0.00	0.00	
12,000.00	90.00	270.78	7,212.00	-1,078.39	-4,202.06	4,293.22	0.00	0.00	0.00	
12,100.00	90.00	270.78	7,212.00	-1,077.04	-4,302.05	4,392.49	0.00	0.00	0.00	
12,200.00	90.00	270.78	7,212.00	-1,075.68	-4,402.04	4,491.77	0.00	0.00	0.00	
12,300.00	90.00	270.78	7,212.00	-1,074.32	-4,502.03	4,591.04	0.00	0.00	0.00	
12,400.00	90.00	270.78	7,212.00	-1,072.96	-4,602.02	4,690.31	0.00	0.00	0.00	
12,500.00	90.00	270.78	7,212.00	-1,071.61	-4,702.01	4,789.59	0.00	0.00	0.00	
12,600.00	90.00	270.78	7,212.00	-1,070.25	-4,802.00	4,888.86	0.00	0.00	0.00	
12,700.00	90.00	270.78	7,212.00	-1,068.89	-4,901.99	4,988.13	0.00	0.00	0.00	
12,800.00	90.00	270.78	7,212.00	-1,067.53	-5,001.98	5,087.41	0.00	0.00	0.00	
12,900.00	90.00	270.78	7,212.00	-1,066.18	-5,101.97	5,186.68	0.00	0.00	0.00	
13,000.00	90.00	270.78	7,212.00	-1,064.82	-5,201.97	5,285.95	0.00	0.00	0.00	
13,100.00	90.00	270.78	7,212.00	-1,063.46	-5,301.96	5,385.23	0.00	0.00	0.00	
13,200.00	90.00	270.78	7,212.00	-1,062.10	-5,401.95	5,484.50	0.00	0.00	0.00	
13,300.00	90.00	270.78	7,212.00	-1,060.75	-5,501.94	5,583.77	0.00	0.00	0.00	
13,400.00	90.00	270.78	7,212.00	-1,059.39	-5,601.93	5,683.05	0.00	0.00	0.00	
13,500.00	90.00	270.78	7,212.00	-1,058.03	-5,701.92	5,782.32	0.00	0.00	0.00	
13,600.00	90.00	270.78	7,212.00	-1,056.67	-5,801.91	5,881.60	0.00	0.00	0.00	
13,700.00	90.00	270.78	7,212.00	-1,055.32	-5,901.90	5,980.87	0.00	0.00	0.00	
13,800.00	90.00	270.78	7,212.00	-1,053.96	-6,001.89	6,080.14	0.00	0.00	0.00	
13,900.00	90.00	270.78	7,212.00	-1,052.60	-6,101.88	6,179.42	0.00	0.00	0.00	
14,000.00	90.00	270.78	7,212.00	-1,051.24	-6,201.87	6,278.69	0.00	0.00	0.00	
14,100.00	90.00	270.78	7,212.00	-1,049.89	-6,301.86	6,377.96	0.00	0.00	0.00	
14,200.00	90.00	270.78	7,212.00	-1,048.53	-6,401.85	6,477.24	0.00	0.00	0.00	
14,300.00	90.00	270.78	7,212.00	-1,047.17	-6,501.85	6,576.51	0.00	0.00	0.00	
14,400.00	90.00	270.78	7,212.00	-1,045.81	-6,601.84	6,675.78	0.00	0.00	0.00	
14,500.00	90.00	270.78	7,212.00	-1,044.46	-6,701.83	6,775.06	0.00	0.00	0.00	
14,600.00	90.00	270.78	7,212.00	-1,043.10	-6,801.82	6,874.33	0.00	0.00	0.00	
14,700.00	90.00	270.78	7,212.00	-1,041.74	-6,901.81	6,973.60	0.00	0.00	0.00	
14,800.00	90.00	270.78	7,212.00	-1,040.38	-7,001.80	7,072.88	0.00	0.00	0.00	
14,900.00	90.00	270.78	7,212.00	-1,039.03	-7,101.79	7,172.15	0.00	0.00	0.00	
15,000.00	90.00	270.78	7,212.00	-1,037.67	-7,201.78	7,271.42	0.00	0.00	0.00	
15,100.00	90.00	270.78	7,212.00	-1,036.31	-7,301.77	7,370.70	0.00	0.00	0.00	
15,200.00	90.00	270.78	7,212.00	-1,034.95	-7,401.76	7,469.97	0.00	0.00	0.00	
15,300.00	90.00	270.78	7,212.00	-1,033.60	-7,501.75	7,569.24	0.00	0.00	0.00	

Database:	DB_Jul2216dt_v14	Local Co-ordinate Reference:	Well Dotsero 6-07-03L
Company:	Confluence Resources	TVD Reference:	RKB=4995+24 @ 5019.00ft
Project:	Weld County, Colorado	MD Reference:	RKB=4995+24 @ 5019.00ft
Site:	Section 06-T07N-R64W	North Reference:	True
Well:	Dotsero 6-07-03L	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	plan1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
15,400.00	90.00	270.78	7,212.00	-1,032.24	-7,601.74	7,668.52	0.00	0.00	0.00
15,500.00	90.00	270.78	7,212.00	-1,030.88	-7,701.73	7,767.79	0.00	0.00	0.00
15,600.00	90.00	270.78	7,212.00	-1,029.52	-7,801.73	7,867.06	0.00	0.00	0.00
15,700.00	90.00	270.78	7,212.00	-1,028.17	-7,901.72	7,966.34	0.00	0.00	0.00
15,800.00	90.00	270.78	7,212.00	-1,026.81	-8,001.71	8,065.61	0.00	0.00	0.00
15,900.00	90.00	270.78	7,212.00	-1,025.45	-8,101.70	8,164.88	0.00	0.00	0.00
16,000.00	90.00	270.78	7,212.00	-1,024.09	-8,201.69	8,264.16	0.00	0.00	0.00
16,100.00	90.00	270.78	7,212.00	-1,022.74	-8,301.68	8,363.43	0.00	0.00	0.00
16,200.00	90.00	270.78	7,212.00	-1,021.38	-8,401.67	8,462.71	0.00	0.00	0.00
16,300.00	90.00	270.78	7,212.00	-1,020.02	-8,501.66	8,561.98	0.00	0.00	0.00
16,400.00	90.00	270.78	7,212.00	-1,018.66	-8,601.65	8,661.25	0.00	0.00	0.00
16,500.00	90.00	270.78	7,212.00	-1,017.31	-8,701.64	8,760.53	0.00	0.00	0.00
16,600.00	90.00	270.78	7,212.00	-1,015.95	-8,801.63	8,859.80	0.00	0.00	0.00
16,700.00	90.00	270.78	7,212.00	-1,014.59	-8,901.62	8,959.07	0.00	0.00	0.00
16,800.00	90.00	270.78	7,212.00	-1,013.23	-9,001.62	9,058.35	0.00	0.00	0.00
16,900.00	90.00	270.78	7,212.00	-1,011.88	-9,101.61	9,157.62	0.00	0.00	0.00
17,000.00	90.00	270.78	7,212.00	-1,010.52	-9,201.60	9,256.89	0.00	0.00	0.00
17,100.00	90.00	270.78	7,212.00	-1,009.16	-9,301.59	9,356.17	0.00	0.00	0.00
17,179.98	90.00	270.78	7,212.00	-1,008.08	-9,381.56	9,435.56	0.00	0.00	0.00
PBHL/TD 17179.98 MD/7212.00 TVD									

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
Dotsero 6-07-03L LP 25: - plan hits target center - Point	0.00	0.00	7,212.00	-1,135.66	16.34	14,746,288.54	1,755,728.53	40.60216212	-104.58457534
Dotsero 6-07-03L PBHL - plan hits target center - Point	0.00	0.00	7,212.00	-1,008.08	-9,381.56	14,746,371.78	1,746,330.15	40.60250750	-104.61843208

Plan Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
3,000.00	3,000.00	0.00	0.00	KOP Begin 1°/100' build
5,483.16	5,406.15	-444.44	288.24	Begin 24.83° tangent
6,746.31	6,552.52	-889.49	576.89	Begin 10°/100' build/turn
7,781.21	7,212.00	-1,135.66	16.34	Begin 90.00° lateral
17,179.98	7,212.00	-1,008.08	-9,381.56	PBHL/TD 17179.98 MD/7212.00 TVD

Database:	DB_Jul2216dt_v14	Local Co-ordinate Reference:	Well Dotsero 6-07-03L
Company:	Confluence Resources	TVD Reference:	RKB=4995+24 @ 5019.00ft
Project:	Weld County, Colorado	MD Reference:	RKB=4995+24 @ 5019.00ft
Site:	Section 06-T07N-R64W	North Reference:	True
Well:	Dotsero 6-07-03L	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	plan1		

Project	Weld County, Colorado		
Map System:	Universal Transverse Mercator (US Survey Feet)	System Datum:	Mean Sea Level
Geo Datum:	NAD83 Colorado - HARN		
Map Zone:	Zone 13N (108 W to 102 W)		

Site		Section 06-T07N-R64W			
Site Position:		Northing:	14,746,184.54 usft	Latitude:	40.60187654
From:	Map	Easting:	1,755,730.03 usft	Longitude:	-104.58457171
Position Uncertainty:	0.00 ft	Slot Radius:	13-3/16 "	Grid Convergence:	0.27 °

Well	Dotsero 6-07-03L, Surf loc: 1396 FNL 475 FEL Section 06-T07N-R64W					
Well Position	+N/-S	0.00 ft	Northing:	14,747,424.11 usft	Latitude:	40.60528049
	+E/-W	0.00 ft	Easting:	1,755,706.83 usft	Longitude:	-104.58463422
Position Uncertainty		0.00 ft	Wellhead Elevation:		Ground Level:	4,995.00 ft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	2/18/2018	8.00	66.98	52,364.00000000

Design	plan1			
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	263.87

Plan Survey Tool Program	Date	2/18/2018		
Depth From (ft)	Depth To (ft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	17,179.98 plan1 (Original Hole)		

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
5,483.16	24.83	147.03	5,406.15	-444.44	288.24	1.00	1.00	0.00	147.03	
6,746.31	24.83	147.03	6,552.52	-889.49	576.89	0.00	0.00	0.00	0.00	
7,781.21	90.00	270.78	7,212.00	-1,135.66	16.34	10.00	6.30	11.96	121.23	Dotsero 6-07-03L LP :
17,179.98	90.00	270.78	7,212.00	-1,008.08	-9,381.56	0.00	0.00	0.00	0.00	Dotsero 6-07-03L PBI

Database:	DB_Jul2216dt_v14	Local Co-ordinate Reference:	Well Dotsero 6-07-03L
Company:	Confluence Resources	TVD Reference:	RKB=4995+24 @ 5019.00ft
Project:	Weld County, Colorado	MD Reference:	RKB=4995+24 @ 5019.00ft
Site:	Section 06-T07N-R64W	North Reference:	True
Well:	Dotsero 6-07-03L	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	plan1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.00	0.00	0.00	0.00	0.00	0.00	14,747,424.11	1,755,706.83	40.60528049	-104.58463422
100.00	0.00	0.00	100.00	0.00	0.00	14,747,424.11	1,755,706.83	40.60528049	-104.58463422
200.00	0.00	0.00	200.00	0.00	0.00	14,747,424.11	1,755,706.83	40.60528049	-104.58463422
300.00	0.00	0.00	300.00	0.00	0.00	14,747,424.11	1,755,706.83	40.60528049	-104.58463422
400.00	0.00	0.00	400.00	0.00	0.00	14,747,424.11	1,755,706.83	40.60528049	-104.58463422
500.00	0.00	0.00	500.00	0.00	0.00	14,747,424.11	1,755,706.83	40.60528049	-104.58463422
600.00	0.00	0.00	600.00	0.00	0.00	14,747,424.11	1,755,706.83	40.60528049	-104.58463422
700.00	0.00	0.00	700.00	0.00	0.00	14,747,424.11	1,755,706.83	40.60528049	-104.58463422
800.00	0.00	0.00	800.00	0.00	0.00	14,747,424.11	1,755,706.83	40.60528049	-104.58463422
900.00	0.00	0.00	900.00	0.00	0.00	14,747,424.11	1,755,706.83	40.60528049	-104.58463422
1,000.00	0.00	0.00	1,000.00	0.00	0.00	14,747,424.11	1,755,706.83	40.60528049	-104.58463422
1,100.00	0.00	0.00	1,100.00	0.00	0.00	14,747,424.11	1,755,706.83	40.60528049	-104.58463422
1,200.00	0.00	0.00	1,200.00	0.00	0.00	14,747,424.11	1,755,706.83	40.60528049	-104.58463422
1,300.00	0.00	0.00	1,300.00	0.00	0.00	14,747,424.11	1,755,706.83	40.60528049	-104.58463422
1,400.00	0.00	0.00	1,400.00	0.00	0.00	14,747,424.11	1,755,706.83	40.60528049	-104.58463422
1,500.00	0.00	0.00	1,500.00	0.00	0.00	14,747,424.11	1,755,706.83	40.60528049	-104.58463422
1,600.00	0.00	0.00	1,600.00	0.00	0.00	14,747,424.11	1,755,706.83	40.60528049	-104.58463422
1,700.00	0.00	0.00	1,700.00	0.00	0.00	14,747,424.11	1,755,706.83	40.60528049	-104.58463422
1,800.00	0.00	0.00	1,800.00	0.00	0.00	14,747,424.11	1,755,706.83	40.60528049	-104.58463422
1,900.00	0.00	0.00	1,900.00	0.00	0.00	14,747,424.11	1,755,706.83	40.60528049	-104.58463422
2,000.00	0.00	0.00	2,000.00	0.00	0.00	14,747,424.11	1,755,706.83	40.60528049	-104.58463422
2,100.00	0.00	0.00	2,100.00	0.00	0.00	14,747,424.11	1,755,706.83	40.60528049	-104.58463422
2,200.00	0.00	0.00	2,200.00	0.00	0.00	14,747,424.11	1,755,706.83	40.60528049	-104.58463422
2,300.00	0.00	0.00	2,300.00	0.00	0.00	14,747,424.11	1,755,706.83	40.60528049	-104.58463422
2,400.00	0.00	0.00	2,400.00	0.00	0.00	14,747,424.11	1,755,706.83	40.60528049	-104.58463422
2,500.00	0.00	0.00	2,500.00	0.00	0.00	14,747,424.11	1,755,706.83	40.60528049	-104.58463422
2,600.00	0.00	0.00	2,600.00	0.00	0.00	14,747,424.11	1,755,706.83	40.60528049	-104.58463422
2,700.00	0.00	0.00	2,700.00	0.00	0.00	14,747,424.11	1,755,706.83	40.60528049	-104.58463422
2,800.00	0.00	0.00	2,800.00	0.00	0.00	14,747,424.11	1,755,706.83	40.60528049	-104.58463422
2,900.00	0.00	0.00	2,900.00	0.00	0.00	14,747,424.11	1,755,706.83	40.60528049	-104.58463422
3,000.00	0.00	0.00	3,000.00	0.00	0.00	14,747,424.11	1,755,706.83	40.60528049	-104.58463422
KOP Begin 1"/100' build									
3,100.00	1.00	147.03	3,099.99	-0.73	0.47	14,747,423.38	1,755,707.31	40.60527848	-104.58463251
3,200.00	2.00	147.03	3,199.96	-2.93	1.90	14,747,421.19	1,755,708.74	40.60527245	-104.58462737
3,300.00	3.00	147.03	3,299.86	-6.59	4.27	14,747,417.54	1,755,711.13	40.60526240	-104.58461882
3,400.00	4.00	147.03	3,399.68	-11.71	7.59	14,747,412.44	1,755,714.48	40.60524834	-104.58460686
3,500.00	5.00	147.03	3,499.37	-18.29	11.86	14,747,405.87	1,755,718.78	40.60523026	-104.58459147
3,600.00	6.00	147.03	3,598.90	-26.33	17.08	14,747,397.86	1,755,724.03	40.60520818	-104.58457269
3,700.00	7.00	147.03	3,698.26	-35.83	23.24	14,747,388.39	1,755,730.24	40.60518210	-104.58455049
3,800.00	8.00	147.03	3,797.40	-46.78	30.34	14,747,377.47	1,755,737.39	40.60515203	-104.58452491
3,900.00	9.00	147.03	3,896.30	-59.18	38.38	14,747,365.11	1,755,745.49	40.60511798	-104.58449593
4,000.00	10.00	147.03	3,994.93	-73.03	47.36	14,747,351.30	1,755,754.54	40.60507996	-104.58446358
4,100.00	11.00	147.03	4,093.26	-88.32	57.28	14,747,336.06	1,755,764.53	40.60503798	-104.58442785
4,200.00	12.00	147.03	4,191.25	-105.05	68.13	14,747,319.39	1,755,775.45	40.60499205	-104.58438877
4,300.00	13.00	147.03	4,288.87	-123.21	79.91	14,747,301.28	1,755,787.32	40.60494219	-104.58434634
4,400.00	14.00	147.03	4,386.11	-142.79	92.61	14,747,281.76	1,755,800.11	40.60488841	-104.58430058
4,500.00	15.00	147.03	4,482.92	-163.80	106.23	14,747,260.82	1,755,813.83	40.60483072	-104.58425149
4,600.00	16.00	147.03	4,579.29	-186.22	120.77	14,747,238.46	1,755,828.48	40.60476916	-104.58419911
4,700.00	17.00	147.03	4,675.17	-210.05	136.23	14,747,214.71	1,755,844.05	40.60470373	-104.58414343
4,800.00	18.00	147.03	4,770.54	-235.28	152.59	14,747,189.56	1,755,860.53	40.60463445	-104.58408448
4,900.00	19.00	147.03	4,865.37	-261.90	169.85	14,747,163.02	1,755,877.92	40.60456136	-104.58402228
5,000.00	20.00	147.03	4,959.63	-289.90	188.02	14,747,135.10	1,755,896.21	40.60448445	-104.58395685
5,100.00	21.00	147.03	5,053.30	-319.29	207.07	14,747,105.81	1,755,915.41	40.60440378	-104.58388819
5,200.00	22.00	147.03	5,146.34	-350.03	227.02	14,747,075.15	1,755,935.49	40.60431934	-104.58381635

Database:	DB_Jul2216dt_v14	Local Co-ordinate Reference:	Well Dotsero 6-07-03L
Company:	Confluence Resources	TVD Reference:	RKB=4995+24 @ 5019.00ft
Project:	Weld County, Colorado	MD Reference:	RKB=4995+24 @ 5019.00ft
Site:	Section 06-T07N-R64W	North Reference:	True
Well:	Dotsero 6-07-03L	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	plan1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
5,300.00	23.00	147.03	5,238.72	-382.14	247.84	14,747,043.14	1,755,956.47	40.60423118	-104.58374133
5,400.00	24.00	147.03	5,330.43	-415.60	269.54	14,747,009.79	1,755,978.32	40.60413932	-104.58366317
5,483.16	24.83	147.03	5,406.15	-444.44	288.24	14,746,981.04	1,755,997.16	40.60406013	-104.58359578
Begin 24.83° tangent									
5,500.00	24.83	147.03	5,421.43	-450.37	292.09	14,746,975.12	1,756,001.04	40.60404384	-104.58358192
5,600.00	24.83	147.03	5,512.19	-485.60	314.94	14,746,940.00	1,756,024.06	40.60394709	-104.58349960
5,700.00	24.83	147.03	5,602.94	-520.84	337.79	14,746,904.87	1,756,047.07	40.60385034	-104.58341727
5,800.00	24.83	147.03	5,693.70	-556.07	360.64	14,746,869.75	1,756,070.09	40.60375359	-104.58333495
5,900.00	24.83	147.03	5,784.45	-591.31	383.49	14,746,834.62	1,756,093.11	40.60365684	-104.58325263
6,000.00	24.83	147.03	5,875.21	-626.54	406.34	14,746,799.50	1,756,116.12	40.60356009	-104.58317030
6,100.00	24.83	147.03	5,965.96	-661.77	429.20	14,746,764.37	1,756,139.14	40.60346335	-104.58308798
6,200.00	24.83	147.03	6,056.72	-697.01	452.05	14,746,729.24	1,756,162.16	40.60336660	-104.58300566
6,300.00	24.83	147.03	6,147.47	-732.24	474.90	14,746,694.12	1,756,185.18	40.60326985	-104.58292334
6,400.00	24.83	147.03	6,238.23	-767.47	497.75	14,746,658.99	1,756,208.19	40.60317310	-104.58284102
6,500.00	24.83	147.03	6,328.98	-802.71	520.60	14,746,623.87	1,756,231.21	40.60307635	-104.58275870
6,600.00	24.83	147.03	6,419.74	-837.94	543.45	14,746,588.74	1,756,254.23	40.60297960	-104.58267638
6,700.00	24.83	147.03	6,510.49	-873.18	566.30	14,746,553.62	1,756,277.24	40.60288285	-104.58259406
6,746.31	24.83	147.03	6,552.52	-889.49	576.89	14,746,537.35	1,756,287.90	40.60283805	-104.58255593
Begin 10°/100' build/turn									
6,800.00	22.49	159.11	6,601.72	-908.56	586.69	14,746,518.33	1,756,297.80	40.60278569	-104.58252061
6,900.00	21.13	186.00	6,694.79	-944.44	591.64	14,746,482.47	1,756,302.92	40.60268716	-104.58250278
7,000.00	24.03	211.14	6,787.33	-979.89	579.20	14,746,446.97	1,756,290.64	40.60258985	-104.58254761
7,100.00	29.99	228.97	6,876.53	-1,013.81	549.74	14,746,412.91	1,756,261.34	40.60249670	-104.58265375
7,200.00	37.58	240.77	6,959.67	-1,045.18	504.15	14,746,381.32	1,756,215.91	40.60241055	-104.58281797
7,300.00	45.98	248.95	7,034.23	-1,073.06	443.83	14,746,353.16	1,756,155.72	40.60233402	-104.58303528
7,400.00	54.82	255.04	7,097.94	-1,096.58	370.61	14,746,329.29	1,756,082.61	40.60226943	-104.58329908
7,500.00	63.90	259.91	7,148.88	-1,115.04	286.70	14,746,310.44	1,755,998.79	40.60221874	-104.58360135
7,600.00	73.13	264.07	7,185.48	-1,127.88	194.67	14,746,297.17	1,755,906.82	40.60218350	-104.58393290
7,700.00	82.42	267.84	7,206.64	-1,134.70	97.30	14,746,289.89	1,755,809.49	40.60216477	-104.58428367
7,781.21	90.00	270.78	7,212.00	-1,135.66	16.34	14,746,288.54	1,755,728.53	40.60216212	-104.58457534
Begin 90.00° lateral									
7,800.00	90.00	270.78	7,212.00	-1,135.41	-2.44	14,746,288.71	1,755,709.74	40.60216282	-104.58464302
7,900.00	90.00	270.78	7,212.00	-1,134.05	-102.44	14,746,289.59	1,755,609.75	40.60216655	-104.58500324
8,000.00	90.00	270.78	7,212.00	-1,132.69	-202.43	14,746,290.48	1,755,509.75	40.60217028	-104.58536347
8,100.00	90.00	270.78	7,212.00	-1,131.33	-302.42	14,746,291.36	1,755,409.75	40.60217400	-104.58572369
8,200.00	90.00	270.78	7,212.00	-1,129.98	-402.41	14,746,292.25	1,755,309.76	40.60217772	-104.58608391
8,300.00	90.00	270.78	7,212.00	-1,128.62	-502.40	14,746,293.13	1,755,209.76	40.60218145	-104.58644414
8,400.00	90.00	270.78	7,212.00	-1,127.26	-602.39	14,746,294.02	1,755,109.77	40.60218517	-104.58680436
8,500.00	90.00	270.78	7,212.00	-1,125.90	-702.38	14,746,294.91	1,755,009.77	40.60218889	-104.58716458
8,600.00	90.00	270.78	7,212.00	-1,124.55	-802.37	14,746,295.79	1,754,909.78	40.60219261	-104.58752481
8,700.00	90.00	270.78	7,212.00	-1,123.19	-902.36	14,746,296.68	1,754,809.78	40.60219632	-104.58788503
8,800.00	90.00	270.78	7,212.00	-1,121.83	-1,002.35	14,746,297.56	1,754,709.78	40.60220004	-104.58824525
8,900.00	90.00	270.78	7,212.00	-1,120.47	-1,102.34	14,746,298.45	1,754,609.79	40.60220376	-104.58860548
9,000.00	90.00	270.78	7,212.00	-1,119.12	-1,202.33	14,746,299.33	1,754,509.79	40.60220747	-104.58896570
9,100.00	90.00	270.78	7,212.00	-1,117.76	-1,302.32	14,746,300.22	1,754,409.80	40.60221118	-104.58932592
9,200.00	90.00	270.78	7,212.00	-1,116.40	-1,402.32	14,746,301.11	1,754,309.80	40.60221490	-104.58968615
9,300.00	90.00	270.78	7,212.00	-1,115.04	-1,502.31	14,746,301.99	1,754,209.80	40.60221861	-104.59004637
9,400.00	90.00	270.78	7,212.00	-1,113.69	-1,602.30	14,746,302.88	1,754,109.81	40.60222232	-104.59040659
9,500.00	90.00	270.78	7,212.00	-1,112.33	-1,702.29	14,746,303.76	1,754,009.81	40.60222602	-104.59076682
9,600.00	90.00	270.78	7,212.00	-1,110.97	-1,802.28	14,746,304.65	1,753,909.82	40.60222973	-104.59112704
9,700.00	90.00	270.78	7,212.00	-1,109.61	-1,902.27	14,746,305.53	1,753,809.82	40.60223344	-104.59148727
9,800.00	90.00	270.78	7,212.00	-1,108.26	-2,002.26	14,746,306.42	1,753,709.82	40.60223714	-104.59184749
9,900.00	90.00	270.78	7,212.00	-1,106.90	-2,102.25	14,746,307.30	1,753,609.83	40.60224085	-104.59220771
10,000.00	90.00	270.78	7,212.00	-1,105.54	-2,202.24	14,746,308.19	1,753,509.83	40.60224455	-104.59256794

Database:	DB_Jul2216dt_v14	Local Co-ordinate Reference:	Well Dotsero 6-07-03L
Company:	Confluence Resources	TVD Reference:	RKB=4995+24 @ 5019.00ft
Project:	Weld County, Colorado	MD Reference:	RKB=4995+24 @ 5019.00ft
Site:	Section 06-T07N-R64W	North Reference:	True
Well:	Dotsero 6-07-03L	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	plan1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
10,100.00	90.00	270.78	7,212.00	-1,104.18	-2,302.23	14,746,309.08	1,753,409.84	40.60224825	-104.59292816
10,200.00	90.00	270.78	7,212.00	-1,102.83	-2,402.22	14,746,309.96	1,753,309.84	40.60225195	-104.59328839
10,300.00	90.00	270.78	7,212.00	-1,101.47	-2,502.21	14,746,310.85	1,753,209.85	40.60225565	-104.59364861
10,400.00	90.00	270.78	7,212.00	-1,100.11	-2,602.20	14,746,311.73	1,753,109.85	40.60225935	-104.59400883
10,500.00	90.00	270.78	7,212.00	-1,098.76	-2,702.20	14,746,312.62	1,753,009.85	40.60226305	-104.59436906
10,600.00	90.00	270.78	7,212.00	-1,097.40	-2,802.19	14,746,313.50	1,752,909.86	40.60226675	-104.59472928
10,700.00	90.00	270.78	7,212.00	-1,096.04	-2,902.18	14,746,314.39	1,752,809.86	40.60227044	-104.59508951
10,800.00	90.00	270.78	7,212.00	-1,094.68	-3,002.17	14,746,315.28	1,752,709.87	40.60227414	-104.59544973
10,900.00	90.00	270.78	7,212.00	-1,093.33	-3,102.16	14,746,316.16	1,752,609.87	40.60227783	-104.59580996
11,000.00	90.00	270.78	7,212.00	-1,091.97	-3,202.15	14,746,317.05	1,752,509.87	40.60228152	-104.59617018
11,100.00	90.00	270.78	7,212.00	-1,090.61	-3,302.14	14,746,317.93	1,752,409.88	40.60228521	-104.59653040
11,200.00	90.00	270.78	7,212.00	-1,089.25	-3,402.13	14,746,318.82	1,752,309.88	40.60228890	-104.59689063
11,300.00	90.00	270.78	7,212.00	-1,087.90	-3,502.12	14,746,319.70	1,752,209.89	40.60229259	-104.59725085
11,400.00	90.00	270.78	7,212.00	-1,086.54	-3,602.11	14,746,320.59	1,752,109.89	40.60229628	-104.59761108
11,500.00	90.00	270.78	7,212.00	-1,085.18	-3,702.10	14,746,321.47	1,752,009.89	40.60229996	-104.59797130
11,600.00	90.00	270.78	7,212.00	-1,083.82	-3,802.09	14,746,322.36	1,751,909.90	40.60230365	-104.59833153
11,700.00	90.00	270.78	7,212.00	-1,082.47	-3,902.08	14,746,323.25	1,751,809.90	40.60230733	-104.59869175
11,800.00	90.00	270.78	7,212.00	-1,081.11	-4,002.08	14,746,324.13	1,751,709.91	40.60231102	-104.59905198
11,900.00	90.00	270.78	7,212.00	-1,079.75	-4,102.07	14,746,325.02	1,751,609.91	40.60231470	-104.59941220
12,000.00	90.00	270.78	7,212.00	-1,078.39	-4,202.06	14,746,325.90	1,751,509.92	40.60231838	-104.59977243
12,100.00	90.00	270.78	7,212.00	-1,077.04	-4,302.05	14,746,326.79	1,751,409.92	40.60232206	-104.60013265
12,200.00	90.00	270.78	7,212.00	-1,075.68	-4,402.04	14,746,327.67	1,751,309.92	40.60232574	-104.60049288
12,300.00	90.00	270.78	7,212.00	-1,074.32	-4,502.03	14,746,328.56	1,751,209.93	40.60232941	-104.60085310
12,400.00	90.00	270.78	7,212.00	-1,072.96	-4,602.02	14,746,329.45	1,751,109.93	40.60233309	-104.60121333
12,500.00	90.00	270.78	7,212.00	-1,071.61	-4,702.01	14,746,330.33	1,751,009.94	40.60233676	-104.60157355
12,600.00	90.00	270.78	7,212.00	-1,070.25	-4,802.00	14,746,331.22	1,750,909.94	40.60234044	-104.60193378
12,700.00	90.00	270.78	7,212.00	-1,068.89	-4,901.99	14,746,332.10	1,750,809.94	40.60234411	-104.60229400
12,800.00	90.00	270.78	7,212.00	-1,067.53	-5,001.98	14,746,332.99	1,750,709.95	40.60234778	-104.60265423
12,900.00	90.00	270.78	7,212.00	-1,066.18	-5,101.97	14,746,333.87	1,750,609.95	40.60235145	-104.60301445
13,000.00	90.00	270.78	7,212.00	-1,064.82	-5,201.97	14,746,334.76	1,750,509.96	40.60235512	-104.60337468
13,100.00	90.00	270.78	7,212.00	-1,063.46	-5,301.96	14,746,335.65	1,750,409.96	40.60235879	-104.60373491
13,200.00	90.00	270.78	7,212.00	-1,062.10	-5,401.95	14,746,336.53	1,750,309.97	40.60236246	-104.60409513
13,300.00	90.00	270.78	7,212.00	-1,060.75	-5,501.94	14,746,337.42	1,750,209.97	40.60236612	-104.60445536
13,400.00	90.00	270.78	7,212.00	-1,059.39	-5,601.93	14,746,338.30	1,750,109.97	40.60236979	-104.60481558
13,500.00	90.00	270.78	7,212.00	-1,058.03	-5,701.92	14,746,339.19	1,750,009.98	40.60237345	-104.60517581
13,600.00	90.00	270.78	7,212.00	-1,056.67	-5,801.91	14,746,340.07	1,749,909.98	40.60237712	-104.60553603
13,700.00	90.00	270.78	7,212.00	-1,055.32	-5,901.90	14,746,340.96	1,749,809.99	40.60238078	-104.60589626
13,800.00	90.00	270.78	7,212.00	-1,053.96	-6,001.89	14,746,341.84	1,749,709.99	40.60238444	-104.60625649
13,900.00	90.00	270.78	7,212.00	-1,052.60	-6,101.88	14,746,342.73	1,749,609.99	40.60238810	-104.60661671
14,000.00	90.00	270.78	7,212.00	-1,051.24	-6,201.87	14,746,343.62	1,749,510.00	40.60239176	-104.60697694
14,100.00	90.00	270.78	7,212.00	-1,049.89	-6,301.86	14,746,344.50	1,749,410.00	40.60239541	-104.60733716
14,200.00	90.00	270.78	7,212.00	-1,048.53	-6,401.85	14,746,345.39	1,749,310.01	40.60239907	-104.60769739
14,300.00	90.00	270.78	7,212.00	-1,047.17	-6,501.85	14,746,346.27	1,749,210.01	40.60240272	-104.60805762
14,400.00	90.00	270.78	7,212.00	-1,045.81	-6,601.84	14,746,347.16	1,749,110.01	40.60240638	-104.60841784
14,500.00	90.00	270.78	7,212.00	-1,044.46	-6,701.83	14,746,348.04	1,749,010.02	40.60241003	-104.60877807
14,600.00	90.00	270.78	7,212.00	-1,043.10	-6,801.82	14,746,348.93	1,748,910.02	40.60241368	-104.60913829
14,700.00	90.00	270.78	7,212.00	-1,041.74	-6,901.81	14,746,349.82	1,748,810.03	40.60241733	-104.60949852
14,800.00	90.00	270.78	7,212.00	-1,040.38	-7,001.80	14,746,350.70	1,748,710.03	40.60242098	-104.60985875
14,900.00	90.00	270.78	7,212.00	-1,039.03	-7,101.79	14,746,351.59	1,748,610.04	40.60242463	-104.61021897
15,000.00	90.00	270.78	7,212.00	-1,037.67	-7,201.78	14,746,352.47	1,748,510.04	40.60242828	-104.61057920
15,100.00	90.00	270.78	7,212.00	-1,036.31	-7,301.77	14,746,353.36	1,748,410.04	40.60243192	-104.61093943
15,200.00	90.00	270.78	7,212.00	-1,034.95	-7,401.76	14,746,354.24	1,748,310.05	40.60243557	-104.61129965
15,300.00	90.00	270.78	7,212.00	-1,033.60	-7,501.75	14,746,355.13	1,748,210.05	40.60243921	-104.61165988
15,400.00	90.00	270.78	7,212.00	-1,032.24	-7,601.74	14,746,356.02	1,748,110.06	40.60244285	-104.61202011
15,500.00	90.00	270.78	7,212.00	-1,030.88	-7,701.73	14,746,356.90	1,748,010.06	40.60244649	-104.61238033

Database:	DB_Jul2216dt_v14	Local Co-ordinate Reference:	Well Dotsero 6-07-03L
Company:	Confluence Resources	TVD Reference:	RKB=4995+24 @ 5019.00ft
Project:	Weld County, Colorado	MD Reference:	RKB=4995+24 @ 5019.00ft
Site:	Section 06-T07N-R64W	North Reference:	True
Well:	Dotsero 6-07-03L	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	plan1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
15,600.00	90.00	270.78	7,212.00	-1,029.52	-7,801.73	14,746,357.79	1,747,910.06	40.60245013	-104.61274056
15,700.00	90.00	270.78	7,212.00	-1,028.17	-7,901.72	14,746,358.67	1,747,810.07	40.60245377	-104.61310079
15,800.00	90.00	270.78	7,212.00	-1,026.81	-8,001.71	14,746,359.56	1,747,710.07	40.60245741	-104.61346101
15,900.00	90.00	270.78	7,212.00	-1,025.45	-8,101.70	14,746,360.44	1,747,610.08	40.60246105	-104.61382124
16,000.00	90.00	270.78	7,212.00	-1,024.09	-8,201.69	14,746,361.33	1,747,510.08	40.60246468	-104.61418147
16,100.00	90.00	270.78	7,212.00	-1,022.74	-8,301.68	14,746,362.21	1,747,410.08	40.60246832	-104.61454169
16,200.00	90.00	270.78	7,212.00	-1,021.38	-8,401.67	14,746,363.10	1,747,310.09	40.60247195	-104.61490192
16,300.00	90.00	270.78	7,212.00	-1,020.02	-8,501.66	14,746,363.99	1,747,210.09	40.60247558	-104.61526215
16,400.00	90.00	270.78	7,212.00	-1,018.66	-8,601.65	14,746,364.87	1,747,110.10	40.60247921	-104.61562238
16,500.00	90.00	270.78	7,212.00	-1,017.31	-8,701.64	14,746,365.76	1,747,010.10	40.60248284	-104.61598260
16,600.00	90.00	270.78	7,212.00	-1,015.95	-8,801.63	14,746,366.64	1,746,910.11	40.60248647	-104.61634283
16,700.00	90.00	270.78	7,212.00	-1,014.59	-8,901.62	14,746,367.53	1,746,810.11	40.60249010	-104.61670306
16,800.00	90.00	270.78	7,212.00	-1,013.23	-9,001.62	14,746,368.41	1,746,710.11	40.60249373	-104.61706328
16,900.00	90.00	270.78	7,212.00	-1,011.88	-9,101.61	14,746,369.30	1,746,610.12	40.60249735	-104.61742351
17,000.00	90.00	270.78	7,212.00	-1,010.52	-9,201.60	14,746,370.19	1,746,510.12	40.60250098	-104.61778374
17,100.00	90.00	270.78	7,212.00	-1,009.16	-9,301.59	14,746,371.07	1,746,410.13	40.60250460	-104.61814397
17,179.98	90.00	270.78	7,212.00	-1,008.08	-9,381.56	14,746,371.78	1,746,330.15	40.60250750	-104.61843208
PBHL/TD 17179.98 MD/7212.00 TVD									

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									
Dotsero 6-07-03L LP 25:	0.00	0.00	7,212.00	-1,135.66	16.34	14,746,288.54	1,755,728.53	40.60216212	-104.58457534
- plan hits target center									
- Point									
Dotsero 6-07-03L PBHL	0.00	0.00	7,212.00	-1,008.08	-9,381.56	14,746,371.78	1,746,330.15	40.60250750	-104.61843208
- plan hits target center									
- Point									

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
3,000.00	3,000.00	0.00	0.00	KOP Begin 1°/100' build	
5,483.16	5,406.15	-444.44	288.24	Begin 24.83° tangent	
6,746.31	6,552.52	-889.49	576.89	Begin 10°/100' build/turn	
7,781.21	7,212.00	-1,135.66	16.34	Begin 90.00° lateral	
17,179.98	7,212.00	-1,008.08	-9,381.56	PBHL/TD 17179.98 MD/7212.00 TVD	