

# Weld County, Colorado

## Section 06-T07N-R64W

### Dotsero 6-11-01L

### plan1

#### Section Details

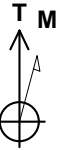
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	Vsect	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	3000.00	0.00	0.00	3000.00	0.00	0.00	0.00	0.00	KOP Begin 2°/100' build
3	3533.80	10.68	102.05	3530.72	-10.35	48.50	2.00	-48.48	Begin 10.68° tangent
4	6412.32	10.68	102.05	6359.41	-121.65	570.01	0.00	-569.84	Begin 10°/100' build/turn
5	7416.99	90.00	270.77	7036.00	-139.04	6.30	10.00	-6.11	Begin 90.00° lateral
6	16803.25	90.00	270.77	7036.00	-13.19	-9379.11	0.00	9379.11	PBHL/TD 16803.24 MD/7036.00 TVD

#### DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Dotsero 6-11-01L LP 3905 FNL 470 FEL	7036.00	-139.04	6.30	14744914.62	1755747.90	40.59838932	-104.58452892
Dotsero 6-11-01L PBHL 3905 FNL 470 FWL	7036.00	-13.19	-9379.11	14744996.18	1746362.02	40.59872994	-104.61833875

#### Azimuth Corrections:

To convert a Magnetic Direction to a True Direction, Add 7.98° East

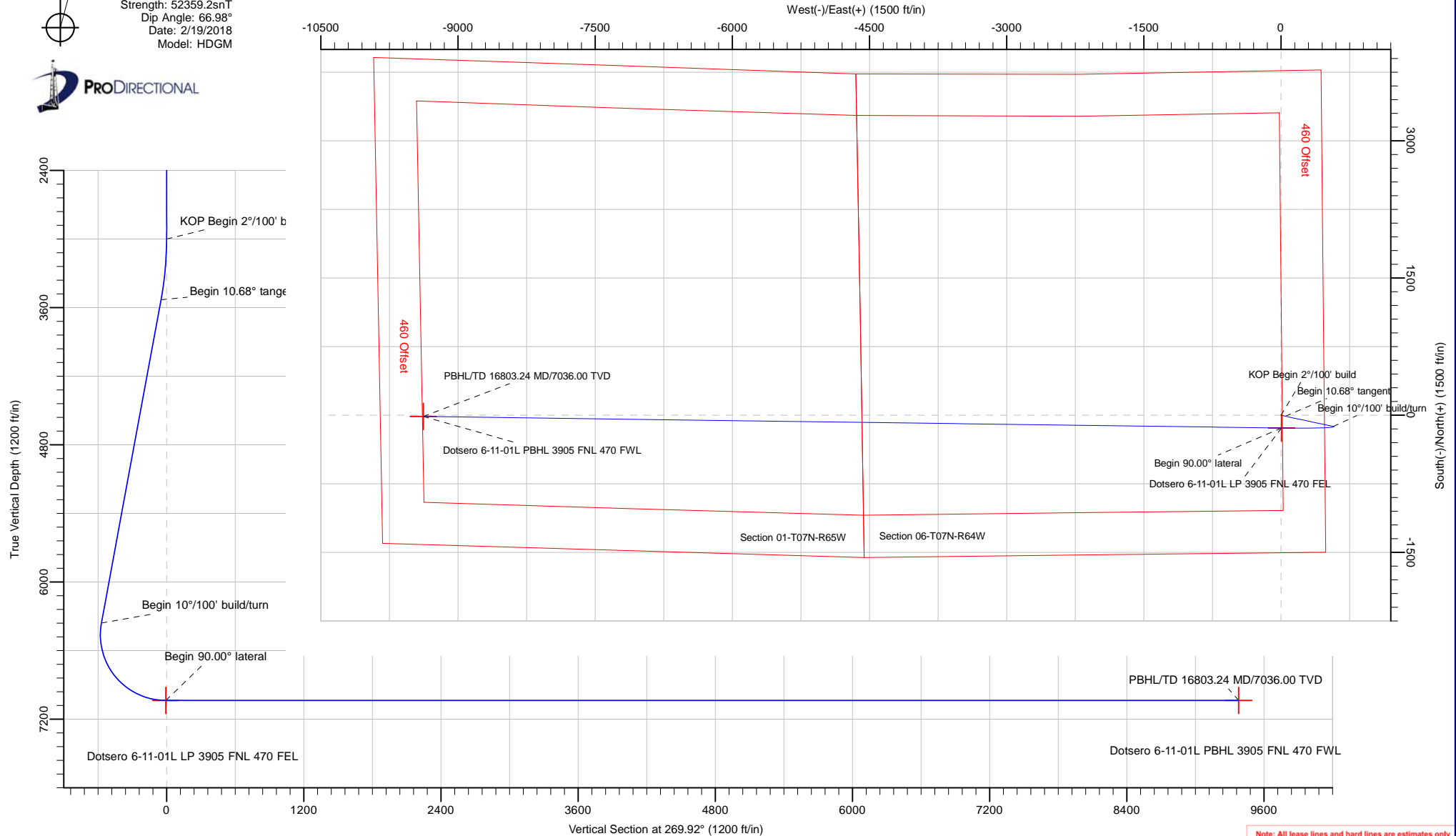


Azimuths to True North  
Magnetic North: 7.98°

Magnetic Field  
Strength: 52359.2snT  
Dip Angle: 66.98°  
Date: 2/19/2018  
Model: HDGM



Dotsero 6-11-01L			
Surf loc: 1501 FSL 475 FEL Section 06-T07N-R64W			
NAD83 Colorado - HARN			
Universal Transverse Mercator (US Survey Feet)			
Zone 13N (108 W to 102 W)			
RKB=4955+24 @ 5019.00ft			
Northing	Easting	Latitude	Longitude
14745053.63	1755740.94	40.59877111	-104.58455163



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

<b>Database:</b>	DB_Jul2216dt_v14	<b>Local Co-ordinate Reference:</b>	Well Dotsero 6-11-01L
<b>Company:</b>	Confluence Resources	<b>TVD Reference:</b>	RKB=4955+24 @ 5019.00ft
<b>Project:</b>	Weld County, Colorado	<b>MD Reference:</b>	RKB=4955+24 @ 5019.00ft
<b>Site:</b>	Section 06-T07N-R64W	<b>North Reference:</b>	True
<b>Well:</b>	Dotsero 6-11-01L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Original Hole		
<b>Design:</b>	plan1		

<b>Project</b>	Weld County, Colorado		
<b>Map System:</b>	Universal Transverse Mercator (US Survey Feet)	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	NAD83 Colorado - HARN		
<b>Map Zone:</b>	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 6-11-01L, Surf loc: 1501 FSL 475 FEL Section 06-T07N-R64W					
Well Position	+N/-S	-1,130.95 ft	Northing:	14,745,053.63 usft	Latitude:	40.59877110
	+E/-W	5.57 ft	Easting:	1,755,740.94 usft	Longitude:	-104.58455163
Position Uncertainty		0.00 ft	Wellhead Elevation:		Ground Level:	4,955.00 ft

<b>Wellbore</b>	Original Hole				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	HDGM	2/19/2018	7.98	66.98	52,359.20000000

<b>Design</b>	plan1			
<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	269.92

<b>Plan Survey Tool Program</b>	<b>Date</b>	2/19/2018		
<b>Depth From (ft)</b>	<b>Depth To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Remarks</b>
1	0.00	16,803.25	plan1 (Original Hole)	

<b>Plan Sections</b>										
<b>Measured Depth (ft)</b>	<b>Inclination (°)</b>	<b>Azimuth (°)</b>	<b>Vertical Depth (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Dogleg Rate (°/100ft)</b>	<b>Build Rate (°/100ft)</b>	<b>Turn Rate (°/100ft)</b>	<b>TFO (°)</b>	<b>Target</b>
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	
3,533.80	10.68	102.05	3,530.72	-10.35	48.50	2.00	2.00	0.00	102.05	
6,412.32	10.68	102.05	6,359.41	-121.65	570.01	0.00	0.00	0.00	0.00	
7,416.99	90.00	270.77	7,036.00	-139.04	6.30	10.00	7.90	16.79	168.53	Dotsero 6-11-01L LP :
16,803.25	90.00	270.77	7,036.00	-13.19	-9,379.11	0.00	0.00	0.00	0.00	Dotsero 6-11-01L PBt

<b>Database:</b>	DB_Jul2216dt_v14	<b>Local Co-ordinate Reference:</b>	Well Dotsero 6-11-01L
<b>Company:</b>	Confluence Resources	<b>TVD Reference:</b>	RKB=4955+24 @ 5019.00ft
<b>Project:</b>	Weld County, Colorado	<b>MD Reference:</b>	RKB=4955+24 @ 5019.00ft
<b>Site:</b>	Section 06-T07N-R64W	<b>North Reference:</b>	True
<b>Well:</b>	Dotsero 6-11-01L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Original Hole		
<b>Design:</b>	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
<b>KOP Begin 2°/100' build</b>									
3,100.00	2.00	102.05	3,099.98	-0.36	1.71	-1.71	2.00	2.00	0.00
3,200.00	4.00	102.05	3,199.84	-1.46	6.82	-6.82	2.00	2.00	0.00
3,300.00	6.00	102.05	3,299.45	-3.28	15.35	-15.34	2.00	2.00	0.00
3,400.00	8.00	102.05	3,398.70	-5.82	27.27	-27.26	2.00	2.00	0.00
3,500.00	10.00	102.05	3,497.47	-9.08	42.56	-42.55	2.00	2.00	0.00
3,533.80	10.68	102.05	3,530.72	-10.35	48.50	-48.48	2.00	2.00	0.00
<b>Begin 10.68° tangent</b>									
3,600.00	10.68	102.05	3,595.77	-12.91	60.49	-60.47	0.00	0.00	0.00
3,700.00	10.68	102.05	3,694.04	-16.78	78.61	-78.58	0.00	0.00	0.00
3,800.00	10.68	102.05	3,792.31	-20.64	96.72	-96.70	0.00	0.00	0.00
3,900.00	10.68	102.05	3,890.58	-24.51	114.84	-114.81	0.00	0.00	0.00
4,000.00	10.68	102.05	3,988.85	-28.38	132.96	-132.92	0.00	0.00	0.00
4,100.00	10.68	102.05	4,087.12	-32.24	151.08	-151.03	0.00	0.00	0.00
4,200.00	10.68	102.05	4,185.39	-36.11	169.19	-169.14	0.00	0.00	0.00
4,300.00	10.68	102.05	4,283.65	-39.98	187.31	-187.26	0.00	0.00	0.00
4,400.00	10.68	102.05	4,381.92	-43.84	205.43	-205.37	0.00	0.00	0.00
4,500.00	10.68	102.05	4,480.19	-47.71	223.55	-223.48	0.00	0.00	0.00
4,600.00	10.68	102.05	4,578.46	-51.58	241.66	-241.59	0.00	0.00	0.00
4,700.00	10.68	102.05	4,676.73	-55.44	259.78	-259.70	0.00	0.00	0.00
4,800.00	10.68	102.05	4,775.00	-59.31	277.90	-277.82	0.00	0.00	0.00
4,900.00	10.68	102.05	4,873.27	-63.18	296.02	-295.93	0.00	0.00	0.00

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<b>Company:</b>	Confluence Resources	<b>TVD Reference:</b>	RKB=4955+24 @ 5019.00ft
<b>Project:</b>	Weld County, Colorado	<b>MD Reference:</b>	RKB=4955+24 @ 5019.00ft
<b>Site:</b>	Section 06-T07N-R64W	<b>North Reference:</b>	True
<b>Well:</b>	Dotsero 6-11-01L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Original Hole		
<b>Design:</b>	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)
5,000.00	10.68	102.05	4,971.54	-67.04	314.13	-314.04	0.00	0.00	0.00
5,100.00	10.68	102.05	5,069.81	-70.91	332.25	-332.15	0.00	0.00	0.00
5,200.00	10.68	102.05	5,168.08	-74.78	350.37	-350.26	0.00	0.00	0.00
5,300.00	10.68	102.05	5,266.34	-78.64	368.49	-368.38	0.00	0.00	0.00
5,400.00	10.68	102.05	5,364.61	-82.51	386.60	-386.49	0.00	0.00	0.00
5,500.00	10.68	102.05	5,462.88	-86.38	404.72	-404.60	0.00	0.00	0.00
5,600.00	10.68	102.05	5,561.15	-90.24	422.84	-422.71	0.00	0.00	0.00
5,700.00	10.68	102.05	5,659.42	-94.11	440.96	-440.82	0.00	0.00	0.00
5,800.00	10.68	102.05	5,757.69	-97.98	459.07	-458.94	0.00	0.00	0.00
5,900.00	10.68	102.05	5,855.96	-101.84	477.19	-477.05	0.00	0.00	0.00
6,000.00	10.68	102.05	5,954.23	-105.71	495.31	-495.16	0.00	0.00	0.00
6,100.00	10.68	102.05	6,052.50	-109.57	513.43	-513.27	0.00	0.00	0.00
6,200.00	10.68	102.05	6,150.77	-113.44	531.54	-531.38	0.00	0.00	0.00
6,300.00	10.68	102.05	6,249.04	-117.31	549.66	-549.50	0.00	0.00	0.00
6,400.00	10.68	102.05	6,347.30	-121.17	567.78	-567.61	0.00	0.00	0.00
6,412.32	10.68	102.05	6,359.41	-121.65	570.01	-569.84	0.00	0.00	0.00
Begin 10°/100' build/turn									
6,500.00	2.71	141.93	6,446.45	-124.98	579.25	-579.07	10.00	-9.08	45.49
6,600.00	8.56	256.59	6,546.09	-128.58	573.45	-573.27	10.00	5.85	114.66
6,700.00	18.42	264.41	6,643.22	-131.85	550.43	-550.24	10.00	9.85	7.82
6,800.00	28.37	266.85	6,734.89	-134.70	510.88	-510.69	10.00	9.95	2.44
6,900.00	38.35	268.10	6,818.30	-137.04	456.01	-455.82	10.00	9.98	1.24
7,000.00	48.34	268.89	6,890.94	-138.80	387.48	-387.29	10.00	9.99	0.79
7,100.00	58.32	269.46	6,950.58	-139.93	307.39	-307.19	10.00	9.99	0.58
7,200.00	68.32	269.93	6,995.43	-140.39	218.15	-217.95	10.00	9.99	0.46
7,300.00	78.31	270.33	7,024.11	-140.16	122.48	-122.28	10.00	9.99	0.40
7,400.00	88.30	270.71	7,035.75	-139.26	23.29	-23.10	10.00	9.99	0.37
7,416.99	90.00	270.77	7,036.00	-139.04	6.30	-6.11	10.00	9.99	0.37
Begin 90.00° lateral									
7,500.00	90.00	270.77	7,036.00	-137.93	-76.70	76.89	0.00	0.00	0.00
7,600.00	90.00	270.77	7,036.00	-136.59	-176.69	176.88	0.00	0.00	0.00
7,700.00	90.00	270.77	7,036.00	-135.25	-276.68	276.87	0.00	0.00	0.00
7,800.00	90.00	270.77	7,036.00	-133.91	-376.67	376.86	0.00	0.00	0.00
7,900.00	90.00	270.77	7,036.00	-132.57	-476.66	476.85	0.00	0.00	0.00
8,000.00	90.00	270.77	7,036.00	-131.22	-576.65	576.84	0.00	0.00	0.00
8,100.00	90.00	270.77	7,036.00	-129.88	-676.64	676.82	0.00	0.00	0.00
8,200.00	90.00	270.77	7,036.00	-128.54	-776.63	776.81	0.00	0.00	0.00
8,300.00	90.00	270.77	7,036.00	-127.20	-876.62	876.80	0.00	0.00	0.00
8,400.00	90.00	270.77	7,036.00	-125.86	-976.62	976.79	0.00	0.00	0.00
8,500.00	90.00	270.77	7,036.00	-124.52	-1,076.61	1,076.78	0.00	0.00	0.00
8,600.00	90.00	270.77	7,036.00	-123.18	-1,176.60	1,176.77	0.00	0.00	0.00
8,700.00	90.00	270.77	7,036.00	-121.84	-1,276.59	1,276.76	0.00	0.00	0.00
8,800.00	90.00	270.77	7,036.00	-120.50	-1,376.58	1,376.75	0.00	0.00	0.00
8,900.00	90.00	270.77	7,036.00	-119.16	-1,476.57	1,476.74	0.00	0.00	0.00
9,000.00	90.00	270.77	7,036.00	-117.82	-1,576.56	1,576.73	0.00	0.00	0.00
9,100.00	90.00	270.77	7,036.00	-116.48	-1,676.55	1,676.71	0.00	0.00	0.00
9,200.00	90.00	270.77	7,036.00	-115.14	-1,776.54	1,776.70	0.00	0.00	0.00
9,300.00	90.00	270.77	7,036.00	-113.79	-1,876.53	1,876.69	0.00	0.00	0.00
9,400.00	90.00	270.77	7,036.00	-112.45	-1,976.53	1,976.68	0.00	0.00	0.00
9,500.00	90.00	270.77	7,036.00	-111.11	-2,076.52	2,076.67	0.00	0.00	0.00
9,600.00	90.00	270.77	7,036.00	-109.77	-2,176.51	2,176.66	0.00	0.00	0.00
9,700.00	90.00	270.77	7,036.00	-108.43	-2,276.50	2,276.65	0.00	0.00	0.00
9,800.00	90.00	270.77	7,036.00	-107.09	-2,376.49	2,376.64	0.00	0.00	0.00
9,900.00	90.00	270.77	7,036.00	-105.75	-2,476.48	2,476.63	0.00	0.00	0.00

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<b>Company:</b>	Confluence Resources	<b>TVD Reference:</b>	RKB=4955+24 @ 5019.00ft
<b>Project:</b>	Weld County, Colorado	<b>MD Reference:</b>	RKB=4955+24 @ 5019.00ft
<b>Site:</b>	Section 06-T07N-R64W	<b>North Reference:</b>	True
<b>Well:</b>	Dotsero 6-11-01L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Original Hole		
<b>Design:</b>	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	270.77	7,036.00	-104.41	-2,576.47	2,576.62	0.00	0.00	0.00
10,100.00	90.00	270.77	7,036.00	-103.07	-2,676.46	2,676.60	0.00	0.00	0.00
10,200.00	90.00	270.77	7,036.00	-101.73	-2,776.45	2,776.59	0.00	0.00	0.00
10,300.00	90.00	270.77	7,036.00	-100.39	-2,876.44	2,876.58	0.00	0.00	0.00
10,400.00	90.00	270.77	7,036.00	-99.05	-2,976.44	2,976.57	0.00	0.00	0.00
10,500.00	90.00	270.77	7,036.00	-97.70	-3,076.43	3,076.56	0.00	0.00	0.00
10,600.00	90.00	270.77	7,036.00	-96.36	-3,176.42	3,176.55	0.00	0.00	0.00
10,700.00	90.00	270.77	7,036.00	-95.02	-3,276.41	3,276.54	0.00	0.00	0.00
10,800.00	90.00	270.77	7,036.00	-93.68	-3,376.40	3,376.53	0.00	0.00	0.00
10,900.00	90.00	270.77	7,036.00	-92.34	-3,476.39	3,476.52	0.00	0.00	0.00
11,000.00	90.00	270.77	7,036.00	-91.00	-3,576.38	3,576.51	0.00	0.00	0.00
11,100.00	90.00	270.77	7,036.00	-89.66	-3,676.37	3,676.50	0.00	0.00	0.00
11,200.00	90.00	270.77	7,036.00	-88.32	-3,776.36	3,776.48	0.00	0.00	0.00
11,300.00	90.00	270.77	7,036.00	-86.98	-3,876.35	3,876.47	0.00	0.00	0.00
11,400.00	90.00	270.77	7,036.00	-85.64	-3,976.35	3,976.46	0.00	0.00	0.00
11,500.00	90.00	270.77	7,036.00	-84.30	-4,076.34	4,076.45	0.00	0.00	0.00
11,600.00	90.00	270.77	7,036.00	-82.96	-4,176.33	4,176.44	0.00	0.00	0.00
11,700.00	90.00	270.77	7,036.00	-81.62	-4,276.32	4,276.43	0.00	0.00	0.00
11,800.00	90.00	270.77	7,036.00	-80.27	-4,376.31	4,376.42	0.00	0.00	0.00
11,900.00	90.00	270.77	7,036.00	-78.93	-4,476.30	4,476.41	0.00	0.00	0.00
12,000.00	90.00	270.77	7,036.00	-77.59	-4,576.29	4,576.40	0.00	0.00	0.00
12,100.00	90.00	270.77	7,036.00	-76.25	-4,676.28	4,676.39	0.00	0.00	0.00
12,200.00	90.00	270.77	7,036.00	-74.91	-4,776.27	4,776.37	0.00	0.00	0.00
12,300.00	90.00	270.77	7,036.00	-73.57	-4,876.26	4,876.36	0.00	0.00	0.00
12,400.00	90.00	270.77	7,036.00	-72.23	-4,976.26	4,976.35	0.00	0.00	0.00
12,500.00	90.00	270.77	7,036.00	-70.89	-5,076.25	5,076.34	0.00	0.00	0.00
12,600.00	90.00	270.77	7,036.00	-69.55	-5,176.24	5,176.33	0.00	0.00	0.00
12,700.00	90.00	270.77	7,036.00	-68.21	-5,276.23	5,276.32	0.00	0.00	0.00
12,800.00	90.00	270.77	7,036.00	-66.87	-5,376.22	5,376.31	0.00	0.00	0.00
12,900.00	90.00	270.77	7,036.00	-65.53	-5,476.21	5,476.30	0.00	0.00	0.00
13,000.00	90.00	270.77	7,036.00	-64.18	-5,576.20	5,576.29	0.00	0.00	0.00
13,100.00	90.00	270.77	7,036.00	-62.84	-5,676.19	5,676.28	0.00	0.00	0.00
13,200.00	90.00	270.77	7,036.00	-61.50	-5,776.18	5,776.26	0.00	0.00	0.00
13,300.00	90.00	270.77	7,036.00	-60.16	-5,876.17	5,876.25	0.00	0.00	0.00
13,400.00	90.00	270.77	7,036.00	-58.82	-5,976.17	5,976.24	0.00	0.00	0.00
13,500.00	90.00	270.77	7,036.00	-57.48	-6,076.16	6,076.23	0.00	0.00	0.00
13,600.00	90.00	270.77	7,036.00	-56.14	-6,176.15	6,176.22	0.00	0.00	0.00
13,700.00	90.00	270.77	7,036.00	-54.80	-6,276.14	6,276.21	0.00	0.00	0.00
13,800.00	90.00	270.77	7,036.00	-53.46	-6,376.13	6,376.20	0.00	0.00	0.00
13,900.00	90.00	270.77	7,036.00	-52.12	-6,476.12	6,476.19	0.00	0.00	0.00
14,000.00	90.00	270.77	7,036.00	-50.78	-6,576.11	6,576.18	0.00	0.00	0.00
14,100.00	90.00	270.77	7,036.00	-49.44	-6,676.10	6,676.17	0.00	0.00	0.00
14,200.00	90.00	270.77	7,036.00	-48.10	-6,776.09	6,776.15	0.00	0.00	0.00
14,300.00	90.00	270.77	7,036.00	-46.75	-6,876.09	6,876.14	0.00	0.00	0.00
14,400.00	90.00	270.77	7,036.00	-45.41	-6,976.08	6,976.13	0.00	0.00	0.00
14,500.00	90.00	270.77	7,036.00	-44.07	-7,076.07	7,076.12	0.00	0.00	0.00
14,600.00	90.00	270.77	7,036.00	-42.73	-7,176.06	7,176.11	0.00	0.00	0.00
14,700.00	90.00	270.77	7,036.00	-41.39	-7,276.05	7,276.10	0.00	0.00	0.00
14,800.00	90.00	270.77	7,036.00	-40.05	-7,376.04	7,376.09	0.00	0.00	0.00
14,900.00	90.00	270.77	7,036.00	-38.71	-7,476.03	7,476.08	0.00	0.00	0.00
15,000.00	90.00	270.77	7,036.00	-37.37	-7,576.02	7,576.07	0.00	0.00	0.00
15,100.00	90.00	270.77	7,036.00	-36.03	-7,676.01	7,676.06	0.00	0.00	0.00
15,200.00	90.00	270.77	7,036.00	-34.69	-7,776.00	7,776.05	0.00	0.00	0.00
15,300.00	90.00	270.77	7,036.00	-33.35	-7,876.00	7,876.03	0.00	0.00	0.00

<b>Database:</b>	DB_Jul2216dt_v14	<b>Local Co-ordinate Reference:</b>	Well Dotsero 6-11-01L
<b>Company:</b>	Confluence Resources	<b>TVD Reference:</b>	RKB=4955+24 @ 5019.00ft
<b>Project:</b>	Weld County, Colorado	<b>MD Reference:</b>	RKB=4955+24 @ 5019.00ft
<b>Site:</b>	Section 06-T07N-R64W	<b>North Reference:</b>	True
<b>Well:</b>	Dotsero 6-11-01L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Original Hole		
<b>Design:</b>	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	270.77	7,036.00	-32.01	-7,975.99	7,976.02	0.00	0.00	0.00
15,500.00	90.00	270.77	7,036.00	-30.66	-8,075.98	8,076.01	0.00	0.00	0.00
15,600.00	90.00	270.77	7,036.00	-29.32	-8,175.97	8,176.00	0.00	0.00	0.00
15,700.00	90.00	270.77	7,036.00	-27.98	-8,275.96	8,275.99	0.00	0.00	0.00
15,800.00	90.00	270.77	7,036.00	-26.64	-8,375.95	8,375.98	0.00	0.00	0.00
15,900.00	90.00	270.77	7,036.00	-25.30	-8,475.94	8,475.97	0.00	0.00	0.00
16,000.00	90.00	270.77	7,036.00	-23.96	-8,575.93	8,575.96	0.00	0.00	0.00
16,100.00	90.00	270.77	7,036.00	-22.62	-8,675.92	8,675.95	0.00	0.00	0.00
16,200.00	90.00	270.77	7,036.00	-21.28	-8,775.91	8,775.94	0.00	0.00	0.00
16,300.00	90.00	270.77	7,036.00	-19.94	-8,875.91	8,875.92	0.00	0.00	0.00
16,400.00	90.00	270.77	7,036.00	-18.60	-8,975.90	8,975.91	0.00	0.00	0.00
16,500.00	90.00	270.77	7,036.00	-17.26	-9,075.89	9,075.90	0.00	0.00	0.00
16,600.00	90.00	270.77	7,036.00	-15.92	-9,175.88	9,175.89	0.00	0.00	0.00
16,700.00	90.00	270.77	7,036.00	-14.58	-9,275.87	9,275.88	0.00	0.00	0.00
16,800.00	90.00	270.77	7,036.00	-13.23	-9,375.86	9,375.87	0.00	0.00	0.00
16,803.24	90.00	270.77	7,036.00	-13.19	-9,379.10	9,379.11	0.00	0.00	0.00
<b>PBHL/TD 16803.24 MD/7036.00 TVD</b>									
16,803.25	90.00	270.77	7,036.00	-13.19	-9,379.11	9,379.11	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
Dotsero 6-11-01L LP 39(	0.00	0.00	7,036.00	-139.04	6.30	14,744,914.62	1,755,747.90	40.59838931	-104.58452892
- plan hits target center									
- Point									
Dotsero 6-11-01L PBHL	0.00	0.00	7,036.00	-13.19	-9,379.11	14,744,996.18	1,746,362.02	40.59872993	-104.61833875
- plan hits target center									
- Point									

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 2°/100' build
3,533.80	3,530.72	-10.35	48.50	Begin 10.68° tangent
6,412.32	6,359.41	-121.65	570.01	Begin 10°/100' build/turn
7,416.99	7,036.00	-139.04	6.30	Begin 90.00° lateral
16,803.24	7,036.00	-13.19	-9,379.10	PBHL/TD 16803.24 MD/7036.00 TVD

<b>Database:</b>	DB_Jul2216dt_v14	<b>Local Co-ordinate Reference:</b>	Well Dotsero 6-11-01L
<b>Company:</b>	Confluence Resources	<b>TVD Reference:</b>	RKB=4955+24 @ 5019.00ft
<b>Project:</b>	Weld County, Colorado	<b>MD Reference:</b>	RKB=4955+24 @ 5019.00ft
<b>Site:</b>	Section 06-T07N-R64W	<b>North Reference:</b>	True
<b>Well:</b>	Dotsero 6-11-01L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Original Hole		
<b>Design:</b>	plan1		

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

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

<b>Well</b>	Dotsero 6-11-01L, Surf loc: 1501 FSL 475 FEL Section 06-T07N-R64W		
<b>Well Position</b>	<b>+N/-S</b>	0.00 ft	<b>Northing:</b> 14,745,053.63 usft
	<b>+E/-W</b>	0.00 ft	<b>Easting:</b> 1,755,740.94 usft
<b>Position Uncertainty</b>	0.00 ft	<b>Wellhead Elevation:</b>	<b>Latitude:</b> 40.59877110
			<b>Longitude:</b> -104.58455163
			<b>Ground Level:</b> 4,955.00 ft

<b>Wellbore</b>	Original Hole				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	HDGM	2/19/2018	7.98	66.98	52,359.20000000

<b>Design</b>	plan1			
<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	269.92

<b>Plan Survey Tool Program</b>	<b>Date</b>	2/19/2018		
<b>Depth From (ft)</b>	<b>Depth To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Remarks</b>
1	0.00	16,803.25 plan1 (Original Hole)		

<b>Plan Sections</b>										
<b>Measured Depth (ft)</b>	<b>Inclination (°)</b>	<b>Azimuth (°)</b>	<b>Vertical Depth (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Dogleg Rate (°/100ft)</b>	<b>Build Rate (°/100ft)</b>	<b>Turn Rate (°/100ft)</b>	<b>TFO (°)</b>	<b>Target</b>
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	
3,533.80	10.68	102.05	3,530.72	-10.35	48.50	2.00	2.00	0.00	102.05	
6,412.32	10.68	102.05	6,359.41	-121.65	570.01	0.00	0.00	0.00	0.00	
7,416.99	90.00	270.77	7,036.00	-139.04	6.30	10.00	7.90	16.79	168.53	Dotsero 6-11-01L LP :
16,803.25	90.00	270.77	7,036.00	-13.19	-9,379.11	0.00	0.00	0.00	0.00	Dotsero 6-11-01L PBt



<b>Database:</b>	DB_Jul2216dt_v14	<b>Local Co-ordinate Reference:</b>	Well Dotsero 6-11-01L
<b>Company:</b>	Confluence Resources	<b>TVD Reference:</b>	RKB=4955+24 @ 5019.00ft
<b>Project:</b>	Weld County, Colorado	<b>MD Reference:</b>	RKB=4955+24 @ 5019.00ft
<b>Site:</b>	Section 06-T07N-R64W	<b>North Reference:</b>	True
<b>Well:</b>	Dotsero 6-11-01L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Original Hole		
<b>Design:</b>	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	14,745,053.63	1,755,740.94	40.59877110	-104.58455163
100.00	0.00	0.00	100.00	0.00	0.00	14,745,053.63	1,755,740.94	40.59877110	-104.58455163
200.00	0.00	0.00	200.00	0.00	0.00	14,745,053.63	1,755,740.94	40.59877110	-104.58455163
300.00	0.00	0.00	300.00	0.00	0.00	14,745,053.63	1,755,740.94	40.59877110	-104.58455163
400.00	0.00	0.00	400.00	0.00	0.00	14,745,053.63	1,755,740.94	40.59877110	-104.58455163
500.00	0.00	0.00	500.00	0.00	0.00	14,745,053.63	1,755,740.94	40.59877110	-104.58455163
600.00	0.00	0.00	600.00	0.00	0.00	14,745,053.63	1,755,740.94	40.59877110	-104.58455163
700.00	0.00	0.00	700.00	0.00	0.00	14,745,053.63	1,755,740.94	40.59877110	-104.58455163
800.00	0.00	0.00	800.00	0.00	0.00	14,745,053.63	1,755,740.94	40.59877110	-104.58455163
900.00	0.00	0.00	900.00	0.00	0.00	14,745,053.63	1,755,740.94	40.59877110	-104.58455163
1,000.00	0.00	0.00	1,000.00	0.00	0.00	14,745,053.63	1,755,740.94	40.59877110	-104.58455163
1,100.00	0.00	0.00	1,100.00	0.00	0.00	14,745,053.63	1,755,740.94	40.59877110	-104.58455163
1,200.00	0.00	0.00	1,200.00	0.00	0.00	14,745,053.63	1,755,740.94	40.59877110	-104.58455163
1,300.00	0.00	0.00	1,300.00	0.00	0.00	14,745,053.63	1,755,740.94	40.59877110	-104.58455163
1,400.00	0.00	0.00	1,400.00	0.00	0.00	14,745,053.63	1,755,740.94	40.59877110	-104.58455163
1,500.00	0.00	0.00	1,500.00	0.00	0.00	14,745,053.63	1,755,740.94	40.59877110	-104.58455163
1,600.00	0.00	0.00	1,600.00	0.00	0.00	14,745,053.63	1,755,740.94	40.59877110	-104.58455163
1,700.00	0.00	0.00	1,700.00	0.00	0.00	14,745,053.63	1,755,740.94	40.59877110	-104.58455163
1,800.00	0.00	0.00	1,800.00	0.00	0.00	14,745,053.63	1,755,740.94	40.59877110	-104.58455163
1,900.00	0.00	0.00	1,900.00	0.00	0.00	14,745,053.63	1,755,740.94	40.59877110	-104.58455163
2,000.00	0.00	0.00	2,000.00	0.00	0.00	14,745,053.63	1,755,740.94	40.59877110	-104.58455163
2,100.00	0.00	0.00	2,100.00	0.00	0.00	14,745,053.63	1,755,740.94	40.59877110	-104.58455163
2,200.00	0.00	0.00	2,200.00	0.00	0.00	14,745,053.63	1,755,740.94	40.59877110	-104.58455163
2,300.00	0.00	0.00	2,300.00	0.00	0.00	14,745,053.63	1,755,740.94	40.59877110	-104.58455163
2,400.00	0.00	0.00	2,400.00	0.00	0.00	14,745,053.63	1,755,740.94	40.59877110	-104.58455163
2,500.00	0.00	0.00	2,500.00	0.00	0.00	14,745,053.63	1,755,740.94	40.59877110	-104.58455163
2,600.00	0.00	0.00	2,600.00	0.00	0.00	14,745,053.63	1,755,740.94	40.59877110	-104.58455163
2,700.00	0.00	0.00	2,700.00	0.00	0.00	14,745,053.63	1,755,740.94	40.59877110	-104.58455163
2,800.00	0.00	0.00	2,800.00	0.00	0.00	14,745,053.63	1,755,740.94	40.59877110	-104.58455163
2,900.00	0.00	0.00	2,900.00	0.00	0.00	14,745,053.63	1,755,740.94	40.59877110	-104.58455163
3,000.00	0.00	0.00	3,000.00	0.00	0.00	14,745,053.63	1,755,740.94	40.59877110	-104.58455163
<b>KOP Begin 2°/100' build</b>									
3,100.00	2.00	102.05	3,099.98	-0.36	1.71	14,745,053.27	1,755,742.65	40.59877010	-104.58454548
3,200.00	4.00	102.05	3,199.84	-1.46	6.82	14,745,052.21	1,755,747.77	40.59876710	-104.58452704
3,300.00	6.00	102.05	3,299.45	-3.28	15.35	14,745,050.43	1,755,756.30	40.59876211	-104.58449634
3,400.00	8.00	102.05	3,398.70	-5.82	27.27	14,745,047.94	1,755,768.23	40.59875512	-104.58445341
3,500.00	10.00	102.05	3,497.47	-9.08	42.56	14,745,044.75	1,755,783.55	40.59874616	-104.58439830
3,533.80	10.68	102.05	3,530.72	-10.35	48.50	14,745,043.51	1,755,789.48	40.59874268	-104.58437693
<b>Begin 10.68° tangent</b>									
3,600.00	10.68	102.05	3,595.77	-12.91	60.49	14,745,041.01	1,755,801.49	40.59873565	-104.58433372
3,700.00	10.68	102.05	3,694.04	-16.78	78.61	14,745,037.22	1,755,819.62	40.59872504	-104.58426846
3,800.00	10.68	102.05	3,792.31	-20.64	96.72	14,745,033.44	1,755,837.76	40.59871442	-104.58420319
3,900.00	10.68	102.05	3,890.58	-24.51	114.84	14,745,029.66	1,755,855.90	40.59870380	-104.58413792
4,000.00	10.68	102.05	3,988.85	-28.38	132.96	14,745,025.88	1,755,874.03	40.59869319	-104.58407266
4,100.00	10.68	102.05	4,087.12	-32.24	151.08	14,745,022.10	1,755,892.17	40.59868257	-104.58400739
4,200.00	10.68	102.05	4,185.39	-36.11	169.19	14,745,018.32	1,755,910.30	40.59867195	-104.58394213
4,300.00	10.68	102.05	4,283.65	-39.98	187.31	14,745,014.54	1,755,928.44	40.59866133	-104.58387686
4,400.00	10.68	102.05	4,381.92	-43.84	205.43	14,745,010.76	1,755,946.57	40.59865072	-104.58381160
4,500.00	10.68	102.05	4,480.19	-47.71	223.55	14,745,006.98	1,755,964.71	40.59864010	-104.58374633
4,600.00	10.68	102.05	4,578.46	-51.58	241.66	14,745,003.19	1,755,982.84	40.59862948	-104.58368106
4,700.00	10.68	102.05	4,676.73	-55.44	259.78	14,744,999.41	1,756,000.98	40.59861886	-104.58361580
4,800.00	10.68	102.05	4,775.00	-59.31	277.90	14,744,995.63	1,756,019.11	40.59860824	-104.58355053
4,900.00	10.68	102.05	4,873.27	-63.18	296.02	14,744,991.85	1,756,037.25	40.59859763	-104.58348527
5,000.00	10.68	102.05	4,971.54	-67.04	314.13	14,744,988.07	1,756,055.39	40.59858701	-104.58342000



<b>Database:</b>	DB_Jul2216dt_v14	<b>Local Co-ordinate Reference:</b>	Well Dotsero 6-11-01L
<b>Company:</b>	Confluence Resources	<b>TVD Reference:</b>	RKB=4955+24 @ 5019.00ft
<b>Project:</b>	Weld County, Colorado	<b>MD Reference:</b>	RKB=4955+24 @ 5019.00ft
<b>Site:</b>	Section 06-T07N-R64W	<b>North Reference:</b>	True
<b>Well:</b>	Dotsero 6-11-01L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Original Hole		
<b>Design:</b>	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
5,100.00	10.68	102.05	5,069.81	-70.91	332.25	14,744,984.29	1,756,073.52	40.59857639	-104.58335474
5,200.00	10.68	102.05	5,168.08	-74.78	350.37	14,744,980.51	1,756,091.66	40.59856577	-104.58328947
5,300.00	10.68	102.05	5,266.34	-78.64	368.49	14,744,976.73	1,756,109.79	40.59855516	-104.58322420
5,400.00	10.68	102.05	5,364.61	-82.51	386.60	14,744,972.95	1,756,127.93	40.59854454	-104.58315894
5,500.00	10.68	102.05	5,462.88	-86.38	404.72	14,744,969.17	1,756,146.06	40.59853392	-104.58309367
5,600.00	10.68	102.05	5,561.15	-90.24	422.84	14,744,965.38	1,756,164.20	40.59852330	-104.58302841
5,700.00	10.68	102.05	5,659.42	-94.11	440.96	14,744,961.60	1,756,182.33	40.59851268	-104.58296314
5,800.00	10.68	102.05	5,757.69	-97.98	459.07	14,744,957.82	1,756,200.47	40.59850207	-104.58289788
5,900.00	10.68	102.05	5,855.96	-101.84	477.19	14,744,954.04	1,756,218.61	40.59849145	-104.58283261
6,000.00	10.68	102.05	5,954.23	-105.71	495.31	14,744,950.26	1,756,236.74	40.59848083	-104.58276735
6,100.00	10.68	102.05	6,052.50	-109.57	513.43	14,744,946.48	1,756,254.88	40.59847021	-104.58270208
6,200.00	10.68	102.05	6,150.77	-113.44	531.54	14,744,942.70	1,756,273.01	40.59845959	-104.58263682
6,300.00	10.68	102.05	6,249.04	-117.31	549.66	14,744,938.92	1,756,291.15	40.59844897	-104.58257155
6,400.00	10.68	102.05	6,347.30	-121.17	567.78	14,744,935.14	1,756,309.28	40.59843836	-104.58250628
6,412.32	10.68	102.05	6,359.41	-121.65	570.01	14,744,934.67	1,756,311.52	40.59843705	-104.58249825
Begin 10°/100' build/turn									
6,500.00	2.71	141.93	6,446.45	-124.98	579.25	14,744,931.38	1,756,320.77	40.59842789	-104.58246496
6,600.00	8.56	256.59	6,546.09	-128.58	573.45	14,744,927.76	1,756,314.99	40.59841802	-104.58248585
6,700.00	18.42	264.41	6,643.22	-131.85	550.43	14,744,924.37	1,756,291.98	40.59840903	-104.58256879
6,800.00	28.37	266.85	6,734.89	-134.70	510.88	14,744,921.34	1,756,252.45	40.59840121	-104.58271125
6,900.00	38.35	268.10	6,818.30	-137.04	456.01	14,744,918.74	1,756,197.59	40.59839479	-104.58290892
7,000.00	48.34	268.89	6,890.94	-138.80	387.48	14,744,916.66	1,756,129.07	40.59838996	-104.58315577
7,100.00	58.32	269.46	6,950.58	-139.93	307.39	14,744,915.15	1,756,048.98	40.59838687	-104.58344432
7,200.00	68.32	269.93	6,995.43	-140.39	218.15	14,744,914.27	1,755,959.75	40.59838562	-104.58376578
7,300.00	78.31	270.33	7,024.11	-140.16	122.48	14,744,914.05	1,755,864.08	40.59838624	-104.58411041
7,400.00	88.30	270.71	7,035.75	-139.26	23.29	14,744,914.48	1,755,764.89	40.59838871	-104.58446772
7,416.99	90.00	270.77	7,036.00	-139.04	6.30	14,744,914.62	1,755,747.90	40.59838931	-104.58452892
Begin 90.00° lateral									
7,500.00	90.00	270.77	7,036.00	-137.93	-76.70	14,744,915.34	1,755,664.89	40.59839237	-104.58482792
7,600.00	90.00	270.77	7,036.00	-136.59	-176.69	14,744,916.21	1,755,564.90	40.59839605	-104.58518812
7,700.00	90.00	270.77	7,036.00	-135.25	-276.68	14,744,917.08	1,755,464.90	40.59839973	-104.58554832
7,800.00	90.00	270.77	7,036.00	-133.91	-376.67	14,744,917.95	1,755,364.91	40.59840341	-104.58590853
7,900.00	90.00	270.77	7,036.00	-132.57	-476.66	14,744,918.82	1,755,264.91	40.59840708	-104.58626873
8,000.00	90.00	270.77	7,036.00	-131.22	-576.65	14,744,919.69	1,755,164.91	40.59841076	-104.58662893
8,100.00	90.00	270.77	7,036.00	-129.88	-676.64	14,744,920.55	1,755,064.92	40.59841443	-104.58698914
8,200.00	90.00	270.77	7,036.00	-128.54	-776.63	14,744,921.42	1,754,964.92	40.59841811	-104.58734934
8,300.00	90.00	270.77	7,036.00	-127.20	-876.62	14,744,922.29	1,754,864.93	40.59842178	-104.58770955
8,400.00	90.00	270.77	7,036.00	-125.86	-976.62	14,744,923.16	1,754,764.93	40.59842545	-104.58806975
8,500.00	90.00	270.77	7,036.00	-124.52	-1,076.61	14,744,924.03	1,754,664.93	40.59842912	-104.58842995
8,600.00	90.00	270.77	7,036.00	-123.18	-1,176.60	14,744,924.90	1,754,564.94	40.59843279	-104.58879016
8,700.00	90.00	270.77	7,036.00	-121.84	-1,276.59	14,744,925.77	1,754,464.94	40.59843646	-104.58915036
8,800.00	90.00	270.77	7,036.00	-120.50	-1,376.58	14,744,926.64	1,754,364.95	40.59844012	-104.58951057
8,900.00	90.00	270.77	7,036.00	-119.16	-1,476.57	14,744,927.51	1,754,264.95	40.59844379	-104.58987077
9,000.00	90.00	270.77	7,036.00	-117.82	-1,576.56	14,744,928.37	1,754,164.95	40.59844745	-104.59023097
9,100.00	90.00	270.77	7,036.00	-116.48	-1,676.55	14,744,929.24	1,754,064.96	40.59845112	-104.59059118
9,200.00	90.00	270.77	7,036.00	-115.14	-1,776.54	14,744,930.11	1,753,964.96	40.59845478	-104.59095138
9,300.00	90.00	270.77	7,036.00	-113.79	-1,876.53	14,744,930.98	1,753,864.97	40.59845844	-104.59131159
9,400.00	90.00	270.77	7,036.00	-112.45	-1,976.53	14,744,931.85	1,753,764.97	40.59846210	-104.59167179
9,500.00	90.00	270.77	7,036.00	-111.11	-2,076.52	14,744,932.72	1,753,664.97	40.59846576	-104.59203200
9,600.00	90.00	270.77	7,036.00	-109.77	-2,176.51	14,744,933.59	1,753,564.98	40.59846942	-104.59239220
9,700.00	90.00	270.77	7,036.00	-108.43	-2,276.50	14,744,934.46	1,753,464.98	40.59847307	-104.59275241
9,800.00	90.00	270.77	7,036.00	-107.09	-2,376.49	14,744,935.33	1,753,364.99	40.59847673	-104.59311261
9,900.00	90.00	270.77	7,036.00	-105.75	-2,476.48	14,744,936.20	1,753,264.99	40.59848038	-104.59347282
10,000.00	90.00	270.77	7,036.00	-104.41	-2,576.47	14,744,937.06	1,753,164.99	40.59848404	-104.59383302

<b>Database:</b>	DB_Jul2216dt_v14	<b>Local Co-ordinate Reference:</b>	Well Dotsero 6-11-01L
<b>Company:</b>	Confluence Resources	<b>TVD Reference:</b>	RKB=4955+24 @ 5019.00ft
<b>Project:</b>	Weld County, Colorado	<b>MD Reference:</b>	RKB=4955+24 @ 5019.00ft
<b>Site:</b>	Section 06-T07N-R64W	<b>North Reference:</b>	True
<b>Well:</b>	Dotsero 6-11-01L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Original Hole		
<b>Design:</b>	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	270.77	7,036.00	-103.07	-2,676.46	14,744,937.93	1,753,065.00	40.59848769	-104.59419322
10,200.00	90.00	270.77	7,036.00	-101.73	-2,776.45	14,744,938.80	1,752,965.00	40.59849134	-104.59455343
10,300.00	90.00	270.77	7,036.00	-100.39	-2,876.44	14,744,939.67	1,752,865.01	40.59849499	-104.59491363
10,400.00	90.00	270.77	7,036.00	-99.05	-2,976.44	14,744,940.54	1,752,765.01	40.59849864	-104.59527384
10,500.00	90.00	270.77	7,036.00	-97.70	-3,076.43	14,744,941.41	1,752,665.01	40.59850229	-104.59563404
10,600.00	90.00	270.77	7,036.00	-96.36	-3,176.42	14,744,942.28	1,752,565.02	40.59850593	-104.59599425
10,700.00	90.00	270.77	7,036.00	-95.02	-3,276.41	14,744,943.15	1,752,465.02	40.59850958	-104.59635445
10,800.00	90.00	270.77	7,036.00	-93.68	-3,376.40	14,744,944.02	1,752,365.03	40.59851322	-104.59671466
10,900.00	90.00	270.77	7,036.00	-92.34	-3,476.39	14,744,944.88	1,752,265.03	40.59851686	-104.59707486
11,000.00	90.00	270.77	7,036.00	-91.00	-3,576.38	14,744,945.75	1,752,165.03	40.59852051	-104.59743507
11,100.00	90.00	270.77	7,036.00	-89.66	-3,676.37	14,744,946.62	1,752,065.04	40.59852415	-104.59779528
11,200.00	90.00	270.77	7,036.00	-88.32	-3,776.36	14,744,947.49	1,751,965.04	40.59852779	-104.59815548
11,300.00	90.00	270.77	7,036.00	-86.98	-3,876.35	14,744,948.36	1,751,865.05	40.59853143	-104.59851569
11,400.00	90.00	270.77	7,036.00	-85.64	-3,976.35	14,744,949.23	1,751,765.05	40.59853506	-104.59887589
11,500.00	90.00	270.77	7,036.00	-84.30	-4,076.34	14,744,950.10	1,751,665.05	40.59853870	-104.59923610
11,600.00	90.00	270.77	7,036.00	-82.96	-4,176.33	14,744,950.97	1,751,565.06	40.59854233	-104.59959630
11,700.00	90.00	270.77	7,036.00	-81.62	-4,276.32	14,744,951.84	1,751,465.06	40.59854597	-104.59995651
11,800.00	90.00	270.77	7,036.00	-80.27	-4,376.31	14,744,952.70	1,751,365.07	40.59854960	-104.60031671
11,900.00	90.00	270.77	7,036.00	-78.93	-4,476.30	14,744,953.57	1,751,265.07	40.59855323	-104.60067692
12,000.00	90.00	270.77	7,036.00	-77.59	-4,576.29	14,744,954.44	1,751,165.07	40.59855686	-104.60103712
12,100.00	90.00	270.77	7,036.00	-76.25	-4,676.28	14,744,955.31	1,751,065.08	40.59856049	-104.60139733
12,200.00	90.00	270.77	7,036.00	-74.91	-4,776.27	14,744,956.18	1,750,965.08	40.59856412	-104.60175754
12,300.00	90.00	270.77	7,036.00	-73.57	-4,876.26	14,744,957.05	1,750,865.09	40.59856775	-104.60211774
12,400.00	90.00	270.77	7,036.00	-72.23	-4,976.26	14,744,957.92	1,750,765.09	40.59857138	-104.60247795
12,500.00	90.00	270.77	7,036.00	-70.89	-5,076.25	14,744,958.79	1,750,665.09	40.59857500	-104.60283815
12,600.00	90.00	270.77	7,036.00	-69.55	-5,176.24	14,744,959.66	1,750,565.10	40.59857862	-104.60319836
12,700.00	90.00	270.77	7,036.00	-68.21	-5,276.23	14,744,960.53	1,750,465.10	40.59858225	-104.60355857
12,800.00	90.00	270.77	7,036.00	-66.87	-5,376.22	14,744,961.39	1,750,365.11	40.59858587	-104.60391877
12,900.00	90.00	270.77	7,036.00	-65.53	-5,476.21	14,744,962.26	1,750,265.11	40.59858949	-104.60427898
13,000.00	90.00	270.77	7,036.00	-64.18	-5,576.20	14,744,963.13	1,750,165.11	40.59859311	-104.60463918
13,100.00	90.00	270.77	7,036.00	-62.84	-5,676.19	14,744,964.00	1,750,065.12	40.59859673	-104.60499939
13,200.00	90.00	270.77	7,036.00	-61.50	-5,776.18	14,744,964.87	1,749,965.12	40.59860034	-104.60535960
13,300.00	90.00	270.77	7,036.00	-60.16	-5,876.17	14,744,965.74	1,749,865.13	40.59860396	-104.60571980
13,400.00	90.00	270.77	7,036.00	-58.82	-5,976.17	14,744,966.61	1,749,765.13	40.59860758	-104.60608001
13,500.00	90.00	270.77	7,036.00	-57.48	-6,076.16	14,744,967.48	1,749,665.13	40.59861119	-104.60644022
13,600.00	90.00	270.77	7,036.00	-56.14	-6,176.15	14,744,968.35	1,749,565.14	40.59861480	-104.60680042
13,700.00	90.00	270.77	7,036.00	-54.80	-6,276.14	14,744,969.21	1,749,465.14	40.59861841	-104.60716063
13,800.00	90.00	270.77	7,036.00	-53.46	-6,376.13	14,744,970.08	1,749,365.15	40.59862202	-104.60752084
13,900.00	90.00	270.77	7,036.00	-52.12	-6,476.12	14,744,970.95	1,749,265.15	40.59862563	-104.60788104
14,000.00	90.00	270.77	7,036.00	-50.78	-6,576.11	14,744,971.82	1,749,165.15	40.59862924	-104.60824125
14,100.00	90.00	270.77	7,036.00	-49.44	-6,676.10	14,744,972.69	1,749,065.16	40.59863285	-104.60860146
14,200.00	90.00	270.77	7,036.00	-48.10	-6,776.09	14,744,973.56	1,748,965.16	40.59863646	-104.60896166
14,300.00	90.00	270.77	7,036.00	-46.75	-6,876.09	14,744,974.43	1,748,865.17	40.59864006	-104.60932187
14,400.00	90.00	270.77	7,036.00	-45.41	-6,976.08	14,744,975.30	1,748,765.17	40.59864366	-104.60968208
14,500.00	90.00	270.77	7,036.00	-44.07	-7,076.07	14,744,976.17	1,748,665.17	40.59864727	-104.61004228
14,600.00	90.00	270.77	7,036.00	-42.73	-7,176.06	14,744,977.03	1,748,565.18	40.59865087	-104.61040249
14,700.00	90.00	270.77	7,036.00	-41.39	-7,276.05	14,744,977.90	1,748,465.18	40.59865447	-104.61076270
14,800.00	90.00	270.77	7,036.00	-40.05	-7,376.04	14,744,978.77	1,748,365.19	40.59865807	-104.61112290
14,900.00	90.00	270.77	7,036.00	-38.71	-7,476.03	14,744,979.64	1,748,265.19	40.59866167	-104.61148311
15,000.00	90.00	270.77	7,036.00	-37.37	-7,576.02	14,744,980.51	1,748,165.19	40.59866526	-104.61184332
15,100.00	90.00	270.77	7,036.00	-36.03	-7,676.01	14,744,981.38	1,748,065.20	40.59866886	-104.61220353
15,200.00	90.00	270.77	7,036.00	-34.69	-7,776.00	14,744,982.25	1,747,965.20	40.59867245	-104.61256373
15,300.00	90.00	270.77	7,036.00	-33.35	-7,876.00	14,744,983.12	1,747,865.20	40.59867605	-104.61292394
15,400.00	90.00	270.77	7,036.00	-32.01	-7,975.99	14,744,983.99	1,747,765.21	40.59867964	-104.61328415
15,500.00	90.00	270.77	7,036.00	-30.66	-8,075.98	14,744,984.86	1,747,665.21	40.59868323	-104.61364435

<b>Database:</b>	DB_Jul2216dt_v14	<b>Local Co-ordinate Reference:</b>	Well Dotsero 6-11-01L
<b>Company:</b>	Confluence Resources	<b>TVD Reference:</b>	RKB=4955+24 @ 5019.00ft
<b>Project:</b>	Weld County, Colorado	<b>MD Reference:</b>	RKB=4955+24 @ 5019.00ft
<b>Site:</b>	Section 06-T07N-R64W	<b>North Reference:</b>	True
<b>Well:</b>	Dotsero 6-11-01L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Original Hole		
<b>Design:</b>	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	270.77	7,036.00	-29.32	-8,175.97	14,744,985.72	1,747,565.22	40.59868682	-104.61400456
15,700.00	90.00	270.77	7,036.00	-27.98	-8,275.96	14,744,986.59	1,747,465.22	40.59869041	-104.61436477
15,800.00	90.00	270.77	7,036.00	-26.64	-8,375.95	14,744,987.46	1,747,365.22	40.59869400	-104.61472498
15,900.00	90.00	270.77	7,036.00	-25.30	-8,475.94	14,744,988.33	1,747,265.23	40.59869759	-104.61508518
16,000.00	90.00	270.77	7,036.00	-23.96	-8,575.93	14,744,989.20	1,747,165.23	40.59870117	-104.61544539
16,100.00	90.00	270.77	7,036.00	-22.62	-8,675.92	14,744,990.07	1,747,065.24	40.59870476	-104.61580560
16,200.00	90.00	270.77	7,036.00	-21.28	-8,775.91	14,744,990.94	1,746,965.24	40.59870834	-104.61616581
16,300.00	90.00	270.77	7,036.00	-19.94	-8,875.91	14,744,991.81	1,746,865.24	40.59871192	-104.61652602
16,400.00	90.00	270.77	7,036.00	-18.60	-8,975.90	14,744,992.68	1,746,765.25	40.59871550	-104.61688622
16,500.00	90.00	270.77	7,036.00	-17.26	-9,075.89	14,744,993.54	1,746,665.25	40.59871908	-104.61724643
16,600.00	90.00	270.77	7,036.00	-15.92	-9,175.88	14,744,994.41	1,746,565.26	40.59872266	-104.61760664
16,700.00	90.00	270.77	7,036.00	-14.58	-9,275.87	14,744,995.28	1,746,465.26	40.59872624	-104.61796685
16,800.00	90.00	270.77	7,036.00	-13.23	-9,375.86	14,744,996.15	1,746,365.26	40.59872982	-104.61832705
16,803.24	90.00	270.77	7,036.00	-13.19	-9,379.10	14,744,996.18	1,746,362.02	40.59872993	-104.61833873
<b>PBHL/TD 16803.24 MD/7036.00 TVD</b>									
16,803.25	90.00	270.77	7,036.00	-13.19	-9,379.11	14,744,996.18	1,746,362.02	40.59872993	-104.61833875

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 6-11-01L LP 39(	0.00	0.00	7,036.00	-139.04	6.30	14,744,914.62	1,755,747.90	40.59838931	-104.58452892
- plan hits target center									
- Point									
Dotsero 6-11-01L PBHL	0.00	0.00	7,036.00	-13.19	-9,379.11	14,744,996.18	1,746,362.02	40.59872993	-104.61833875
- plan hits target center									
- Point									

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 2°/100' build
3,533.80	3,530.72	-10.35	48.50	Begin 10.68° tangent
6,412.32	6,359.41	-121.65	570.01	Begin 10°/100' build/turn
7,416.99	7,036.00	-139.04	6.30	Begin 90.00° lateral
16,803.24	7,036.00	-13.19	-9,379.10	PBHL/TD 16803.24 MD/7036.00 TVD