



**Weld County, Colorado**  
**Section 33-T01N-R65W**  
**Buford 33-09-3L**  
**plan2**

Azimuth Corrections:

To convert a Magnetic Direction to a True Direction, Add 8.28° East

Buford 33-09-3L			
Surf Loc: 985 FSL 300 FWL Sect 33-T01N-R65W			
NAD83 Colorado - HARN			
Universal Transverse Mercator (US Survey Feet)			
Zone 13N (108 W to 102 W)			
RKB=5077+25 @ 5102.00ft			
Northing	Easting	Latitude	Longitude
14528076.11	1730771.45	40.00323801	-104.67734811

Section Details

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	VSec	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	5000.00	0.00	0.00	5000.00	0.00	0.00	0.00	0.00	KOP Begin 10°/100' build
3	5398.78	39.88	158.05	5367.35	-123.60	49.82	10.00	-119.74	Begin 39.88° tangent
4	6832.36	39.88	158.05	6467.50	-976.11	393.41	0.00	-945.65	Begin 10°/100' build/turn
5	8097.82	90.04	359.92	7340.00	-514.90	664.62	10.00	-466.31	Begin 90.04° lateral section
6	17751.62	90.04	359.92	7334.00	9138.90	651.81	0.00	9162.11	PBHL/TD 17751.62 MD/7334.00 TVD

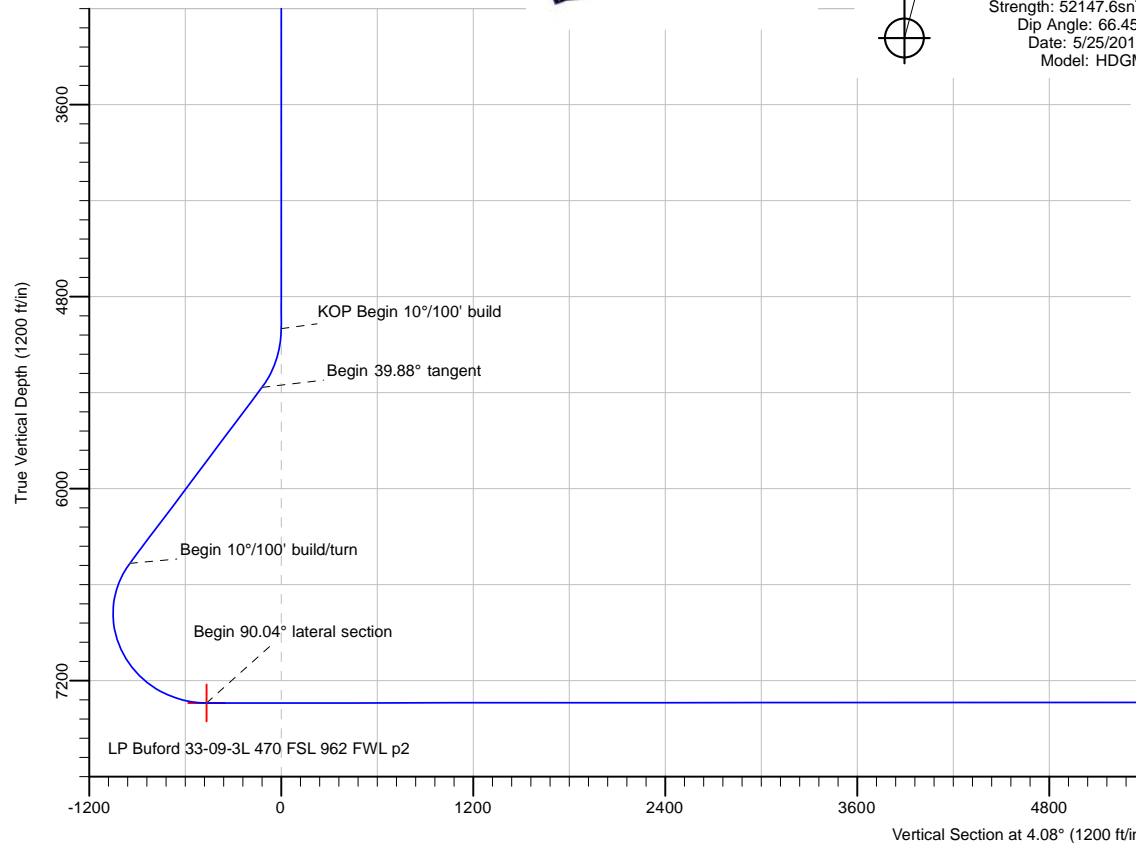
DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
BHL Buford 33-09-3L 470 FNL 962 FWL p2	7334.00	9138.90	651.81	14537217.29	1731390.17	40.02833482	-104.67501968
LP Buford 33-09-3L 470 FSL 962 FWL p2	7340.00	-514.90	664.62	14527563.62	1731437.93	40.00182399	-104.67497486



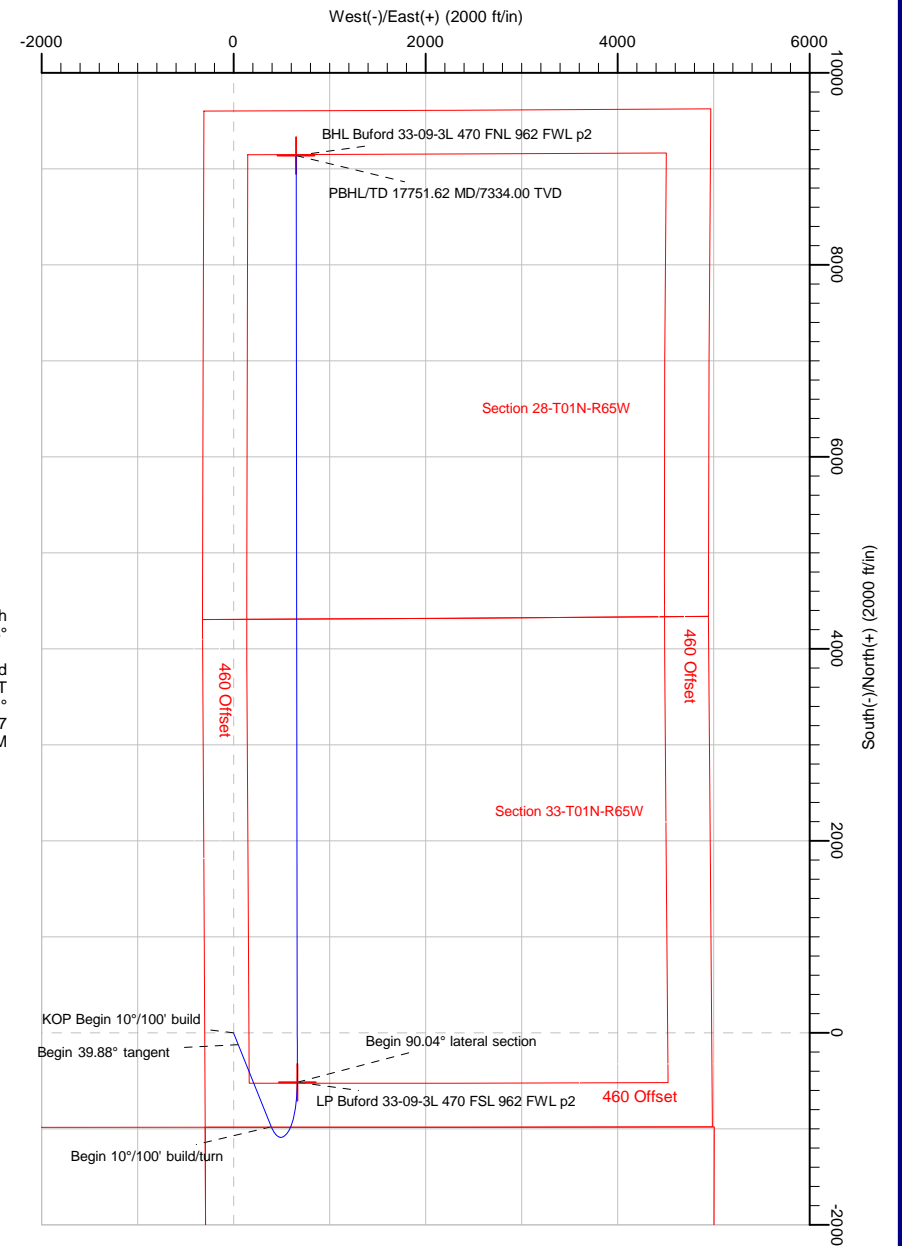
Azimuths to True North  
Magnetic North: 8.28°

Magnetic Field  
Strength: 52147.6snT  
Dip Angle: 66.45°  
Date: 5/25/2017  
Model: HDGM



Date: 11:26, September 13 2017

Vertical Section at 4.08° (1200 ft/in)



PBHL/TD 17751.62 MD/7334.00 TVD

BHL Buford 33-09-3L 470 FNL 962 FWL p2

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 Buford 33-09-3L
<b>Company:</b>	Confluence Resources	<b>TVD Reference:</b>	RKB=5077+25 @ 5102.00ft
<b>Project:</b>	Weld County, Colorado	<b>MD Reference:</b>	RKB=5077+25 @ 5102.00ft
<b>Site:</b>	Section 33-T01N-R65W	<b>North Reference:</b>	True
<b>Well:</b>	Buford 33-09-3L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Original Hole		
<b>Design:</b>	plan2		

<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 33-T01N-R65W			
Site Position:		Northing:	14,527,751.12 usft	Latitude:	40.00234552
From:	Map	Easting:	1,730,774.27 usft	Longitude:	-104.67734224
Position Uncertainty:	0.00 ft	Slot Radius:	13-3/16 "	Grid Convergence:	0.21 °

Well	Buford 33-09-3L, Surf Loc: 985 FSL 300 FWL Sect 33-T01N-R65W					
Well Position	+N/-S	325.00 ft	Northing:	14,528,076.11 usft	Latitude:	40.00323802
	+E/-W	-1.64 ft	Easting:	1,730,771.45 usft	Longitude:	-104.67734811
Position Uncertainty		0.00 ft	Wellhead Elevation:		Ground Level:	5,077.00 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	5/25/2017	8.28	66.45	52,147.60000000

<b>Design</b>	plan2			
<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	4.08

<b>Plan Survey Tool Program</b>	<b>Date</b>	9/13/2017		
<b>Depth From (ft)</b>	<b>Depth To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Remarks</b>
1	0.00	17,751.62	plan2 (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	
5,000.00	0.00	0.00	5,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
5,398.78	39.88	158.05	5,367.35	-123.60	49.82	10.00	10.00	0.00	158.05	
6,832.36	39.88	158.05	6,467.50	-976.11	393.41	0.00	0.00	0.00	0.00	
8,097.82	90.04	359.92	7,340.00	-514.90	664.62	10.00	3.96	-12.50	-152.37	LP Buford 33-09-3L 4'
17,751.62	90.04	359.92	7,334.00	9,138.90	651.81	0.00	0.00	0.00	0.00	BHL Buford 33-09-3L

<b>Database:</b>	DB_Jul2216dt_v14	<b>Local Co-ordinate Reference:</b>	Well Buford 33-09-3L
<b>Company:</b>	Confluence Resources	<b>TVD Reference:</b>	RKB=5077+25 @ 5102.00ft
<b>Project:</b>	Weld County, Colorado	<b>MD Reference:</b>	RKB=5077+25 @ 5102.00ft
<b>Site:</b>	Section 33-T01N-R65W	<b>North Reference:</b>	True
<b>Well:</b>	Buford 33-09-3L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Original Hole		
<b>Design:</b>	plan2		

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
2,500.01	0.00	0.00	2,500.01	0.00	0.00	0.00	0.00	0.00	0.00
2,600.01	0.00	0.00	2,600.01	0.00	0.00	0.00	0.00	0.00	0.00
2,700.01	0.00	0.00	2,700.01	0.00	0.00	0.00	0.00	0.00	0.00
2,800.01	0.00	0.00	2,800.01	0.00	0.00	0.00	0.00	0.00	0.00
2,900.01	0.00	0.00	2,900.01	0.00	0.00	0.00	0.00	0.00	0.00
3,000.01	0.00	0.00	3,000.01	0.00	0.00	0.00	0.00	0.00	0.00
3,100.01	0.00	0.00	3,100.01	0.00	0.00	0.00	0.00	0.00	0.00
3,200.01	0.00	0.00	3,200.01	0.00	0.00	0.00	0.00	0.00	0.00
3,300.01	0.00	0.00	3,300.01	0.00	0.00	0.00	0.00	0.00	0.00
3,400.01	0.00	0.00	3,400.01	0.00	0.00	0.00	0.00	0.00	0.00
3,500.01	0.00	0.00	3,500.01	0.00	0.00	0.00	0.00	0.00	0.00
3,600.01	0.00	0.00	3,600.01	0.00	0.00	0.00	0.00	0.00	0.00
3,700.01	0.00	0.00	3,700.01	0.00	0.00	0.00	0.00	0.00	0.00
3,800.01	0.00	0.00	3,800.01	0.00	0.00	0.00	0.00	0.00	0.00
3,900.01	0.00	0.00	3,900.01	0.00	0.00	0.00	0.00	0.00	0.00
4,000.01	0.00	0.00	4,000.01	0.00	0.00	0.00	0.00	0.00	0.00
4,100.01	0.00	0.00	4,100.01	0.00	0.00	0.00	0.00	0.00	0.00
4,200.01	0.00	0.00	4,200.01	0.00	0.00	0.00	0.00	0.00	0.00
4,300.01	0.00	0.00	4,300.01	0.00	0.00	0.00	0.00	0.00	0.00
4,400.01	0.00	0.00	4,400.01	0.00	0.00	0.00	0.00	0.00	0.00
4,500.01	0.00	0.00	4,500.01	0.00	0.00	0.00	0.00	0.00	0.00
4,600.01	0.00	0.00	4,600.01	0.00	0.00	0.00	0.00	0.00	0.00
4,700.01	0.00	0.00	4,700.01	0.00	0.00	0.00	0.00	0.00	0.00
4,800.01	0.00	0.00	4,800.01	0.00	0.00	0.00	0.00	0.00	0.00
4,900.01	0.00	0.00	4,900.01	0.00	0.00	0.00	0.00	0.00	0.00
5,000.00	0.00	0.00	5,000.00	0.00	0.00	0.00	0.00	0.00	0.00
KOP Begin 10°/100' build									
5,000.01	0.00	158.05	5,000.01	0.00	0.00	0.00	0.00	0.00	0.00
5,100.01	10.00	158.05	5,099.50	-8.08	3.25	-7.82	10.00	10.00	0.00

<b>Database:</b>	DB_Jul2216dt_v14	<b>Local Co-ordinate Reference:</b>	Well Buford 33-09-3L
<b>Company:</b>	Confluence Resources	<b>TVD Reference:</b>	RKB=5077+25 @ 5102.00ft
<b>Project:</b>	Weld County, Colorado	<b>MD Reference:</b>	RKB=5077+25 @ 5102.00ft
<b>Site:</b>	Section 33-T01N-R65W	<b>North Reference:</b>	True
<b>Well:</b>	Buford 33-09-3L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Original Hole		
<b>Design:</b>	plan2		

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)
5,200.01	20.00	158.05	5,195.97	-32.05	12.92	-31.05	10.00	10.00	0.00
5,300.01	30.00	158.05	5,286.49	-71.20	28.70	-68.98	10.00	10.00	0.00
5,398.78	39.88	158.05	5,367.35	-123.60	49.82	-119.74	10.00	10.00	0.00
Begin 39.88° tangent									
5,400.01	39.88	158.05	5,368.30	-124.33	50.11	-120.45	0.00	0.00	0.00
5,500.01	39.88	158.05	5,445.04	-183.80	74.08	-178.07	0.00	0.00	0.00
5,600.01	39.88	158.05	5,521.78	-243.27	98.05	-235.68	0.00	0.00	0.00
5,700.01	39.88	158.05	5,598.52	-302.74	122.02	-293.29	0.00	0.00	0.00
5,800.01	39.88	158.05	5,675.27	-362.20	145.98	-350.90	0.00	0.00	0.00
5,900.01	39.88	158.05	5,752.01	-421.67	169.95	-408.51	0.00	0.00	0.00
6,000.01	39.88	158.05	5,828.75	-481.14	193.92	-466.12	0.00	0.00	0.00
6,100.01	39.88	158.05	5,905.49	-540.60	217.89	-523.73	0.00	0.00	0.00
6,200.01	39.88	158.05	5,982.23	-600.07	241.85	-581.34	0.00	0.00	0.00
6,300.01	39.88	158.05	6,058.97	-659.54	265.82	-638.96	0.00	0.00	0.00
6,400.01	39.88	158.05	6,135.71	-719.00	289.79	-696.57	0.00	0.00	0.00
6,500.01	39.88	158.05	6,212.46	-778.47	313.76	-754.18	0.00	0.00	0.00
6,600.01	39.88	158.05	6,289.20	-837.94	337.73	-811.79	0.00	0.00	0.00
6,700.01	39.88	158.05	6,365.94	-897.41	361.69	-869.40	0.00	0.00	0.00
6,800.01	39.88	158.05	6,442.68	-956.87	385.66	-927.01	0.00	0.00	0.00
6,832.36	39.88	158.05	6,467.50	-976.11	393.41	-945.65	0.00	0.00	0.00
Begin 10°/100' build/turn									
6,900.01	34.01	152.44	6,521.57	-1,013.04	410.29	-981.28	10.00	-8.68	-8.28
7,000.01	26.02	140.29	6,608.17	-1,054.81	437.31	-1,021.03	10.00	-7.99	-12.15
7,100.01	19.78	119.94	6,700.39	-1,080.19	466.06	-1,044.30	10.00	-6.24	-20.35
7,200.01	17.30	89.07	6,795.41	-1,088.42	495.67	-1,050.40	10.00	-2.48	-30.87
7,300.01	20.03	58.62	6,890.37	-1,079.23	525.23	-1,039.13	10.00	2.73	-30.46
7,400.01	26.40	38.80	6,982.36	-1,052.92	553.85	-1,010.85	10.00	6.37	-19.82
7,500.02	34.44	26.95	7,068.60	-1,010.27	580.66	-966.40	10.00	8.04	-11.85
7,600.02	43.23	19.29	7,146.47	-952.59	604.84	-907.15	10.00	8.79	-7.66
7,700.02	52.38	13.82	7,213.59	-881.63	625.67	-834.89	10.00	9.15	-5.46
7,800.02	61.73	9.58	7,267.93	-799.55	642.50	-751.81	10.00	9.35	-4.25
7,900.02	71.18	6.03	7,307.84	-708.83	654.83	-660.45	10.00	9.46	-3.55
8,000.02	80.70	2.86	7,332.11	-612.23	662.27	-563.57	10.00	9.52	-3.17
8,097.82	90.04	359.92	7,340.00	-514.90	664.62	-466.31	10.00	9.54	-3.00
Begin 90.04° lateral section									
8,100.02	90.04	359.92	7,340.00	-512.70	664.62	-464.12	0.00	0.00	0.00
8,200.02	90.04	359.92	7,339.94	-412.70	664.49	-364.38	0.00	0.00	0.00
8,300.02	90.04	359.92	7,339.87	-312.70	664.35	-264.64	0.00	0.00	0.00
8,400.02	90.04	359.92	7,339.81	-212.70	664.22	-164.91	0.00	0.00	0.00
8,500.02	90.04	359.92	7,339.75	-112.70	664.09	-65.17	0.00	0.00	0.00
8,600.02	90.04	359.92	7,339.69	-12.70	663.96	34.57	0.00	0.00	0.00
8,700.02	90.04	359.92	7,339.63	87.30	663.82	134.31	0.00	0.00	0.00
8,800.02	90.04	359.92	7,339.56	187.30	663.69	234.04	0.00	0.00	0.00
8,900.02	90.04	359.92	7,339.50	287.30	663.56	333.78	0.00	0.00	0.00
9,000.02	90.04	359.92	7,339.44	387.30	663.42	433.52	0.00	0.00	0.00
9,100.02	90.04	359.92	7,339.38	487.30	663.29	533.25	0.00	0.00	0.00
9,200.02	90.04	359.92	7,339.32	587.30	663.16	632.99	0.00	0.00	0.00
9,300.02	90.04	359.92	7,339.25	687.30	663.03	732.73	0.00	0.00	0.00
9,400.02	90.04	359.92	7,339.19	787.30	662.89	832.47	0.00	0.00	0.00
9,500.02	90.04	359.92	7,339.13	887.30	662.76	932.20	0.00	0.00	0.00
9,600.02	90.04	359.92	7,339.07	987.30	662.63	1,031.94	0.00	0.00	0.00
9,700.02	90.04	359.92	7,339.00	1,087.30	662.50	1,131.68	0.00	0.00	0.00
9,800.02	90.04	359.92	7,338.94	1,187.30	662.36	1,231.42	0.00	0.00	0.00

<b>Database:</b>	DB_Jul2216dt_v14	<b>Local Co-ordinate Reference:</b>	Well Buford 33-09-3L
<b>Company:</b>	Confluence Resources	<b>TVD Reference:</b>	RKB=5077+25 @ 5102.00ft
<b>Project:</b>	Weld County, Colorado	<b>MD Reference:</b>	RKB=5077+25 @ 5102.00ft
<b>Site:</b>	Section 33-T01N-R65W	<b>North Reference:</b>	True
<b>Well:</b>	Buford 33-09-3L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Original Hole		
<b>Design:</b>	plan2		

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)
9,900.02	90.04	359.92	7,338.88	1,287.30	662.23	1,331.15	0.00	0.00	0.00
10,000.02	90.04	359.92	7,338.82	1,387.30	662.10	1,430.89	0.00	0.00	0.00
10,100.02	90.04	359.92	7,338.76	1,487.30	661.96	1,530.63	0.00	0.00	0.00
10,200.02	90.04	359.92	7,338.69	1,587.30	661.83	1,630.36	0.00	0.00	0.00
10,300.02	90.04	359.92	7,338.63	1,687.30	661.70	1,730.10	0.00	0.00	0.00
10,400.02	90.04	359.92	7,338.57	1,787.30	661.57	1,829.84	0.00	0.00	0.00
10,500.02	90.04	359.92	7,338.51	1,887.30	661.43	1,929.58	0.00	0.00	0.00
10,600.02	90.04	359.92	7,338.45	1,987.30	661.30	2,029.31	0.00	0.00	0.00
10,700.02	90.04	359.92	7,338.38	2,087.30	661.17	2,129.05	0.00	0.00	0.00
10,800.02	90.04	359.92	7,338.32	2,187.30	661.04	2,228.79	0.00	0.00	0.00
10,900.02	90.04	359.92	7,338.26	2,287.30	660.90	2,328.53	0.00	0.00	0.00
11,000.02	90.04	359.92	7,338.20	2,387.30	660.77	2,428.26	0.00	0.00	0.00
11,100.02	90.04	359.92	7,338.13	2,487.30	660.64	2,528.00	0.00	0.00	0.00
11,200.02	90.04	359.92	7,338.07	2,587.30	660.50	2,627.74	0.00	0.00	0.00
11,300.02	90.04	359.92	7,338.01	2,687.30	660.37	2,727.47	0.00	0.00	0.00
11,400.02	90.04	359.92	7,337.95	2,787.30	660.24	2,827.21	0.00	0.00	0.00
11,500.02	90.04	359.92	7,337.89	2,887.30	660.11	2,926.95	0.00	0.00	0.00
11,600.02	90.04	359.92	7,337.82	2,987.30	659.97	3,026.69	0.00	0.00	0.00
11,700.02	90.04	359.92	7,337.76	3,087.30	659.84	3,126.42	0.00	0.00	0.00
11,800.02	90.04	359.92	7,337.70	3,187.30	659.71	3,226.16	0.00	0.00	0.00
11,900.02	90.04	359.92	7,337.64	3,287.30	659.58	3,325.90	0.00	0.00	0.00
12,000.02	90.04	359.92	7,337.57	3,387.30	659.44	3,425.64	0.00	0.00	0.00
12,100.02	90.04	359.92	7,337.51	3,487.30	659.31	3,525.37	0.00	0.00	0.00
12,200.02	90.04	359.92	7,337.45	3,587.30	659.18	3,625.11	0.00	0.00	0.00
12,300.02	90.04	359.92	7,337.39	3,687.30	659.05	3,724.85	0.00	0.00	0.00
12,400.03	90.04	359.92	7,337.33	3,787.30	658.91	3,824.58	0.00	0.00	0.00
12,500.03	90.04	359.92	7,337.26	3,887.30	658.78	3,924.32	0.00	0.00	0.00
12,600.03	90.04	359.92	7,337.20	3,987.30	658.65	4,024.06	0.00	0.00	0.00
12,700.03	90.04	359.92	7,337.14	4,087.31	658.51	4,123.80	0.00	0.00	0.00
12,800.03	90.04	359.92	7,337.08	4,187.31	658.38	4,223.53	0.00	0.00	0.00
12,900.03	90.04	359.92	7,337.02	4,287.31	658.25	4,323.27	0.00	0.00	0.00
13,000.03	90.04	359.92	7,336.95	4,387.31	658.12	4,423.01	0.00	0.00	0.00
13,100.03	90.04	359.92	7,336.89	4,487.31	657.98	4,522.75	0.00	0.00	0.00
13,200.03	90.04	359.92	7,336.83	4,587.31	657.85	4,622.48	0.00	0.00	0.00
13,300.03	90.04	359.92	7,336.77	4,687.31	657.72	4,722.22	0.00	0.00	0.00
13,400.03	90.04	359.92	7,336.70	4,787.31	657.59	4,821.96	0.00	0.00	0.00
13,500.03	90.04	359.92	7,336.64	4,887.31	657.45	4,921.69	0.00	0.00	0.00
13,600.03	90.04	359.92	7,336.58	4,987.31	657.32	5,021.43	0.00	0.00	0.00
13,700.03	90.04	359.92	7,336.52	5,087.31	657.19	5,121.17	0.00	0.00	0.00
13,800.03	90.04	359.92	7,336.46	5,187.31	657.05	5,220.91	0.00	0.00	0.00
13,900.03	90.04	359.92	7,336.39	5,287.31	656.92	5,320.64	0.00	0.00	0.00
14,000.03	90.04	359.92	7,336.33	5,387.31	656.79	5,420.38	0.00	0.00	0.00
14,100.03	90.04	359.92	7,336.27	5,487.31	656.66	5,520.12	0.00	0.00	0.00
14,200.03	90.04	359.92	7,336.21	5,587.31	656.52	5,619.86	0.00	0.00	0.00
14,300.03	90.04	359.92	7,336.15	5,687.31	656.39	5,719.59	0.00	0.00	0.00
14,400.03	90.04	359.92	7,336.08	5,787.31	656.26	5,819.33	0.00	0.00	0.00
14,500.03	90.04	359.92	7,336.02	5,887.31	656.13	5,919.07	0.00	0.00	0.00
14,600.03	90.04	359.92	7,335.96	5,987.31	655.99	6,018.80	0.00	0.00	0.00
14,700.03	90.04	359.92	7,335.90	6,087.31	655.86	6,118.54	0.00	0.00	0.00
14,800.03	90.04	359.92	7,335.83	6,187.31	655.73	6,218.28	0.00	0.00	0.00
14,900.03	90.04	359.92	7,335.77	6,287.31	655.59	6,318.02	0.00	0.00	0.00
15,000.03	90.04	359.92	7,335.71	6,387.31	655.46	6,417.75	0.00	0.00	0.00
15,100.03	90.04	359.92	7,335.65	6,487.31	655.33	6,517.49	0.00	0.00	0.00
15,200.03	90.04	359.92	7,335.59	6,587.31	655.20	6,617.23	0.00	0.00	0.00

<b>Database:</b>	DB_Jul2216dt_v14	<b>Local Co-ordinate Reference:</b>	Well Buford 33-09-3L
<b>Company:</b>	Confluence Resources	<b>TVD Reference:</b>	RKB=5077+25 @ 5102.00ft
<b>Project:</b>	Weld County, Colorado	<b>MD Reference:</b>	RKB=5077+25 @ 5102.00ft
<b>Site:</b>	Section 33-T01N-R65W	<b>North Reference:</b>	True
<b>Well:</b>	Buford 33-09-3L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Original Hole		
<b>Design:</b>	plan2		

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)
15,300.03	90.04	359.92	7,335.52	6,687.31	655.06	6,716.97	0.00	0.00	0.00
15,400.03	90.04	359.92	7,335.46	6,787.31	654.93	6,816.70	0.00	0.00	0.00
15,500.03	90.04	359.92	7,335.40	6,887.31	654.80	6,916.44	0.00	0.00	0.00
15,600.03	90.04	359.92	7,335.34	6,987.31	654.67	7,016.18	0.00	0.00	0.00
15,700.03	90.04	359.92	7,335.28	7,087.31	654.53	7,115.91	0.00	0.00	0.00
15,800.03	90.04	359.92	7,335.21	7,187.31	654.40	7,215.65	0.00	0.00	0.00
15,900.03	90.04	359.92	7,335.15	7,287.31	654.27	7,315.39	0.00	0.00	0.00
16,000.03	90.04	359.92	7,335.09	7,387.31	654.13	7,415.13	0.00	0.00	0.00
16,100.03	90.04	359.92	7,335.03	7,487.31	654.00	7,514.86	0.00	0.00	0.00
16,200.03	90.04	359.92	7,334.96	7,587.31	653.87	7,614.60	0.00	0.00	0.00
16,300.03	90.04	359.92	7,334.90	7,687.31	653.74	7,714.34	0.00	0.00	0.00
16,400.03	90.04	359.92	7,334.84	7,787.31	653.60	7,814.08	0.00	0.00	0.00
16,500.03	90.04	359.92	7,334.78	7,887.31	653.47	7,913.81	0.00	0.00	0.00
16,600.03	90.04	359.92	7,334.72	7,987.31	653.34	8,013.55	0.00	0.00	0.00
16,700.03	90.04	359.92	7,334.65	8,087.31	653.21	8,113.29	0.00	0.00	0.00
16,800.03	90.04	359.92	7,334.59	8,187.31	653.07	8,213.02	0.00	0.00	0.00
16,900.03	90.04	359.92	7,334.53	8,287.31	652.94	8,312.76	0.00	0.00	0.00
17,000.03	90.04	359.92	7,334.47	8,387.31	652.81	8,412.50	0.00	0.00	0.00
17,100.03	90.04	359.92	7,334.41	8,487.31	652.68	8,512.24	0.00	0.00	0.00
17,200.03	90.04	359.92	7,334.34	8,587.31	652.54	8,611.97	0.00	0.00	0.00
17,300.03	90.04	359.92	7,334.28	8,687.31	652.41	8,711.71	0.00	0.00	0.00
17,400.04	90.04	359.92	7,334.22	8,787.31	652.28	8,811.45	0.00	0.00	0.00
17,500.04	90.04	359.92	7,334.16	8,887.31	652.14	8,911.19	0.00	0.00	0.00
17,600.04	90.04	359.92	7,334.09	8,987.31	652.01	9,010.92	0.00	0.00	0.00
17,700.04	90.04	359.92	7,334.03	9,087.31	651.88	9,110.66	0.00	0.00	0.00
17,751.62	90.04	359.92	7,334.00	9,138.89	651.81	9,162.11	0.00	0.00	0.00
PBHL/TD 17751.62 MD/7334.00 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									
BHL Buford 33-09-3L 47	0.00	0.00	7,334.00	9,138.90	651.81	14,537,217.29	1,731,390.17	40.02833482	-104.67501967
- plan hits target center									
- Point									
LP Buford 33-09-3L 470	0.00	0.00	7,340.00	-514.90	664.62	14,527,563.62	1,731,437.93	40.00182399	-104.67497485
- plan hits target center									
- Point									

Plan Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
5,000.00	5,000.00	0.00	0.00	KOP Begin 10°/100' build
5,398.78	5,367.35	-123.60	49.82	Begin 39.88° tangent
6,832.36	6,467.50	-976.11	393.41	Begin 10°/100' build/turn
8,097.82	7,340.00	-514.90	664.62	Begin 90.04° lateral section
17,751.62	7,334.00	9,138.89	651.81	PBHL/TD 17751.62 MD/7334.00 TVD

<b>Database:</b>	DB_Jul2216dt_v14	<b>Local Co-ordinate Reference:</b>	Well Buford 33-09-3L
<b>Company:</b>	Confluence Resources	<b>TVD Reference:</b>	RKB=5077+25 @ 5102.00ft
<b>Project:</b>	Weld County, Colorado	<b>MD Reference:</b>	RKB=5077+25 @ 5102.00ft
<b>Site:</b>	Section 33-T01N-R65W	<b>North Reference:</b>	True
<b>Well:</b>	Buford 33-09-3L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Original Hole		
<b>Design:</b>	plan2		

<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 33-T01N-R65W			
Site Position:		Northing:	14,527,751.12 usft	Latitude:	40.00234552
From:	Map	Easting:	1,730,774.27 usft	Longitude:	-104.67734224
Position Uncertainty:	0.00 ft	Slot Radius:	13-3/16 "	Grid Convergence:	0.21

Well	Buford 33-09-3L, Surf Loc: 985 FSL 300 FWL Sect 33-T01N-R65W					
Well Position	+N/-S	0.00 ft	Northing:	14,528,076.11 usft	Latitude:	40.00323802
	+E/-W	0.00 ft	Easting:	1,730,771.45 usft	Longitude:	-104.67734811
Position Uncertainty		0.00 ft	Wellhead Elevation:		Ground Level:	5,077.00 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	5/25/2017	8.28	66.45	52,147.60000000

<b>Design</b>	plan2			
<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	4.08

<b>Plan Survey Tool Program</b>	<b>Date</b>	9/13/2017		
<b>Depth From (ft)</b>	<b>Depth To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Remarks</b>
1	0.00	17,751.62 plan2 (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	
5,000.00	0.00	0.00	5,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
5,398.78	39.88	158.05	5,367.35	-123.60	49.82	10.00	10.00	0.00	158.05	
6,832.36	39.88	158.05	6,467.50	-976.11	393.41	0.00	0.00	0.00	0.00	
8,097.82	90.04	359.92	7,340.00	-514.90	664.62	10.00	3.96	-12.50	-152.37	LP Buford 33-09-3L 4'
17,751.62	90.04	359.92	7,334.00	9,138.90	651.81	0.00	0.00	0.00	0.00	BHL Buford 33-09-3L



<b>Database:</b>	DB_Jul2216dt_v14	<b>Local Co-ordinate Reference:</b>	Well Buford 33-09-3L
<b>Company:</b>	Confluence Resources	<b>TVD Reference:</b>	RKB=5077+25 @ 5102.00ft
<b>Project:</b>	Weld County, Colorado	<b>MD Reference:</b>	RKB=5077+25 @ 5102.00ft
<b>Site:</b>	Section 33-T01N-R65W	<b>North Reference:</b>	True
<b>Well:</b>	Buford 33-09-3L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Original Hole		
<b>Design:</b>	plan2		

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	14,528,076.11	1,730,771.45	40.00323802	-104.67734811
100.00	0.00	0.00	100.00	0.00	0.00	14,528,076.11	1,730,771.45	40.00323802	-104.67734811
200.00	0.00	0.00	200.00	0.00	0.00	14,528,076.11	1,730,771.45	40.00323802	-104.67734811
300.00	0.00	0.00	300.00	0.00	0.00	14,528,076.11	1,730,771.45	40.00323802	-104.67734811
400.00	0.00	0.00	400.00	0.00	0.00	14,528,076.11	1,730,771.45	40.00323802	-104.67734811
500.00	0.00	0.00	500.00	0.00	0.00	14,528,076.11	1,730,771.45	40.00323802	-104.67734811
600.00	0.00	0.00	600.00	0.00	0.00	14,528,076.11	1,730,771.45	40.00323802	-104.67734811
700.00	0.00	0.00	700.00	0.00	0.00	14,528,076.11	1,730,771.45	40.00323802	-104.67734811
800.00	0.00	0.00	800.00	0.00	0.00	14,528,076.11	1,730,771.45	40.00323802	-104.67734811
900.00	0.00	0.00	900.00	0.00	0.00	14,528,076.11	1,730,771.45	40.00323802	-104.67734811
1,000.00	0.00	0.00	1,000.00	0.00	0.00	14,528,076.11	1,730,771.45	40.00323802	-104.67734811
1,100.00	0.00	0.00	1,100.00	0.00	0.00	14,528,076.11	1,730,771.45	40.00323802	-104.67734811
1,200.00	0.00	0.00	1,200.00	0.00	0.00	14,528,076.11	1,730,771.45	40.00323802	-104.67734811
1,300.00	0.00	0.00	1,300.00	0.00	0.00	14,528,076.11	1,730,771.45	40.00323802	-104.67734811
1,400.00	0.00	0.00	1,400.00	0.00	0.00	14,528,076.11	1,730,771.45	40.00323802	-104.67734811
1,500.00	0.00	0.00	1,500.00	0.00	0.00	14,528,076.11	1,730,771.45	40.00323802	-104.67734811
1,600.00	0.00	0.00	1,600.00	0.00	0.00	14,528,076.11	1,730,771.45	40.00323802	-104.67734811
1,700.00	0.00	0.00	1,700.00	0.00	0.00	14,528,076.11	1,730,771.45	40.00323802	-104.67734811
1,800.00	0.00	0.00	1,800.00	0.00	0.00	14,528,076.11	1,730,771.45	40.00323802	-104.67734811
1,900.00	0.00	0.00	1,900.00	0.00	0.00	14,528,076.11	1,730,771.45	40.00323802	-104.67734811
2,000.00	0.00	0.00	2,000.00	0.00	0.00	14,528,076.11	1,730,771.45	40.00323802	-104.67734811
2,100.00	0.00	0.00	2,100.00	0.00	0.00	14,528,076.11	1,730,771.45	40.00323802	-104.67734811
2,200.00	0.00	0.00	2,200.00	0.00	0.00	14,528,076.11	1,730,771.45	40.00323802	-104.67734811
2,300.00	0.00	0.00	2,300.00	0.00	0.00	14,528,076.11	1,730,771.45	40.00323802	-104.67734811
2,400.00	0.00	0.00	2,400.00	0.00	0.00	14,528,076.11	1,730,771.45	40.00323802	-104.67734811
2,500.01	0.00	0.00	2,500.01	0.00	0.00	14,528,076.11	1,730,771.45	40.00323802	-104.67734811
2,600.01	0.00	0.00	2,600.01	0.00	0.00	14,528,076.11	1,730,771.45	40.00323802	-104.67734811
2,700.01	0.00	0.00	2,700.01	0.00	0.00	14,528,076.11	1,730,771.45	40.00323802	-104.67734811
2,800.01	0.00	0.00	2,800.01	0.00	0.00	14,528,076.11	1,730,771.45	40.00323802	-104.67734811
2,900.01	0.00	0.00	2,900.01	0.00	0.00	14,528,076.11	1,730,771.45	40.00323802	-104.67734811
3,000.01	0.00	0.00	3,000.01	0.00	0.00	14,528,076.11	1,730,771.45	40.00323802	-104.67734811
3,100.01	0.00	0.00	3,100.01	0.00	0.00	14,528,076.11	1,730,771.45	40.00323802	-104.67734811
3,200.01	0.00	0.00	3,200.01	0.00	0.00	14,528,076.11	1,730,771.45	40.00323802	-104.67734811
3,300.01	0.00	0.00	3,300.01	0.00	0.00	14,528,076.11	1,730,771.45	40.00323802	-104.67734811
3,400.01	0.00	0.00	3,400.01	0.00	0.00	14,528,076.11	1,730,771.45	40.00323802	-104.67734811
3,500.01	0.00	0.00	3,500.01	0.00	0.00	14,528,076.11	1,730,771.45	40.00323802	-104.67734811
3,600.01	0.00	0.00	3,600.01	0.00	0.00	14,528,076.11	1,730,771.45	40.00323802	-104.67734811
3,700.01	0.00	0.00	3,700.01	0.00	0.00	14,528,076.11	1,730,771.45	40.00323802	-104.67734811
3,800.01	0.00	0.00	3,800.01	0.00	0.00	14,528,076.11	1,730,771.45	40.00323802	-104.67734811
3,900.01	0.00	0.00	3,900.01	0.00	0.00	14,528,076.11	1,730,771.45	40.00323802	-104.67734811
4,000.01	0.00	0.00	4,000.01	0.00	0.00	14,528,076.11	1,730,771.45	40.00323802	-104.67734811
4,100.01	0.00	0.00	4,100.01	0.00	0.00	14,528,076.11	1,730,771.45	40.00323802	-104.67734811
4,200.01	0.00	0.00	4,200.01	0.00	0.00	14,528,076.11	1,730,771.45	40.00323802	-104.67734811
4,300.01	0.00	0.00	4,300.01	0.00	0.00	14,528,076.11	1,730,771.45	40.00323802	-104.67734811
4,400.01	0.00	0.00	4,400.01	0.00	0.00	14,528,076.11	1,730,771.45	40.00323802	-104.67734811
4,500.01	0.00	0.00	4,500.01	0.00	0.00	14,528,076.11	1,730,771.45	40.00323802	-104.67734811
4,600.01	0.00	0.00	4,600.01	0.00	0.00	14,528,076.11	1,730,771.45	40.00323802	-104.67734811
4,700.01	0.00	0.00	4,700.01	0.00	0.00	14,528,076.11	1,730,771.45	40.00323802	-104.67734811
4,800.01	0.00	0.00	4,800.01	0.00	0.00	14,528,076.11	1,730,771.45	40.00323802	-104.67734811
4,900.01	0.00	0.00	4,900.01	0.00	0.00	14,528,076.11	1,730,771.45	40.00323802	-104.67734811
5,000.00	0.00	0.00	5,000.00	0.00	0.00	14,528,076.11	1,730,771.45	40.00323802	-104.67734811
<b>KOP Begin 10°/100' build</b>									
5,000.01	0.00	158.05	5,000.01	0.00	0.00	14,528,076.11	1,730,771.45	40.00323802	-104.67734811
5,100.01	10.00	158.05	5,099.50	-8.08	3.25	14,528,068.05	1,730,774.73	40.00321584	-104.67733648



<b>Database:</b>	DB_Jul2216dt_v14	<b>Local Co-ordinate Reference:</b>	Well Buford 33-09-3L
<b>Company:</b>	Confluence Resources	<b>TVD Reference:</b>	RKB=5077+25 @ 5102.00ft
<b>Project:</b>	Weld County, Colorado	<b>MD Reference:</b>	RKB=5077+25 @ 5102.00ft
<b>Site:</b>	Section 33-T01N-R65W	<b>North Reference:</b>	True
<b>Well:</b>	Buford 33-09-3L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Original Hole		
<b>Design:</b>	plan2		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
5,200.01	20.00	158.05	5,195.97	-32.05	12.92	14,528,044.11	1,730,784.48	40.00315000	-104.67730198
5,300.01	30.00	158.05	5,286.49	-71.20	28.70	14,528,005.02	1,730,800.40	40.00304249	-104.67724563
5,398.78	39.88	158.05	5,367.35	-123.60	49.82	14,527,952.69	1,730,821.71	40.00289859	-104.67717021
<b>Begin 39.88° tangent</b>									
5,400.01	39.88	158.05	5,368.30	-124.33	50.11	14,527,951.96	1,730,822.01	40.00289658	-104.67716916
5,500.01	39.88	158.05	5,445.04	-183.80	74.08	14,527,892.58	1,730,846.19	40.00273327	-104.67708358
5,600.01	39.88	158.05	5,521.78	-243.27	98.05	14,527,833.20	1,730,870.38	40.00256996	-104.67699799
5,700.01	39.88	158.05	5,598.52	-302.74	122.02	14,527,773.82	1,730,894.56	40.00240666	-104.67691241
5,800.01	39.88	158.05	5,675.27	-362.20	145.98	14,527,714.44	1,730,918.74	40.00224335	-104.67682682
5,900.01	39.88	158.05	5,752.01	-421.67	169.95	14,527,655.06	1,730,942.92	40.00208004	-104.67674124
6,000.01	39.88	158.05	5,828.75	-481.14	193.92	14,527,595.68	1,730,967.11	40.00191674	-104.67665565
6,100.01	39.88	158.05	5,905.49	-540.60	217.89	14,527,536.30	1,730,991.29	40.00175343	-104.67657007
6,200.01	39.88	158.05	5,982.23	-600.07	241.85	14,527,476.92	1,731,015.47	40.00159012	-104.67648449
6,300.01	39.88	158.05	6,058.97	-659.54	265.82	14,527,417.55	1,731,039.66	40.00142682	-104.67639890
6,400.01	39.88	158.05	6,135.71	-719.00	289.79	14,527,358.17	1,731,063.84	40.00126351	-104.67631332
6,500.01	39.88	158.05	6,212.46	-778.47	313.76	14,527,298.79	1,731,088.02	40.00110020	-104.67622774
6,600.01	39.88	158.05	6,289.20	-837.94	337.73	14,527,239.41	1,731,112.20	40.00093690	-104.67614216
6,700.01	39.88	158.05	6,365.94	-897.41	361.69	14,527,180.03	1,731,136.39	40.00077359	-104.67605658
6,800.01	39.88	158.05	6,442.68	-956.87	385.66	14,527,120.65	1,731,160.57	40.00061028	-104.67597100
6,832.36	39.88	158.05	6,467.50	-976.11	393.41	14,527,101.44	1,731,168.39	40.00055746	-104.67594332
<b>Begin 10°/100' build/turn</b>									
6,900.01	34.01	152.44	6,521.57	-1,013.04	410.29	14,527,064.57	1,731,185.41	40.00045604	-104.67588304
7,000.01	26.02	140.29	6,608.17	-1,054.81	437.31	14,527,022.90	1,731,212.58	40.00034133	-104.67578657
7,100.01	19.78	119.94	6,700.39	-1,080.19	466.06	14,526,997.62	1,731,241.42	40.00027162	-104.67568392
7,200.01	17.30	89.07	6,795.41	-1,088.42	495.67	14,526,989.50	1,731,271.05	40.00024903	-104.67557820
7,300.01	20.03	58.62	6,890.37	-1,079.23	525.23	14,526,998.79	1,731,300.58	40.00027426	-104.67547264
7,400.01	26.40	38.80	6,982.36	-1,052.92	553.85	14,527,025.21	1,731,329.11	40.00034652	-104.67537044
7,500.02	34.44	26.95	7,068.60	-1,010.27	580.66	14,527,067.95	1,731,355.76	40.00046363	-104.67527471
7,600.02	43.23	19.29	7,146.47	-952.59	604.84	14,527,125.72	1,731,379.74	40.00062202	-104.67518834
7,700.02	52.38	13.82	7,213.59	-881.63	625.67	14,527,196.75	1,731,400.30	40.00081689	-104.67511398
7,800.02	61.73	9.58	7,267.93	-799.55	642.50	14,527,278.90	1,731,416.84	40.00104231	-104.67505387
7,900.02	71.18	6.03	7,307.84	-708.83	654.83	14,527,369.66	1,731,428.84	40.00129144	-104.67500984
8,000.02	80.70	2.86	7,332.11	-612.23	662.27	14,527,466.28	1,731,435.93	40.00155670	-104.67498324
8,097.82	90.04	359.92	7,340.00	-514.90	664.62	14,527,563.63	1,731,437.93	40.00182401	-104.67497485
<b>Begin 90.04° lateral section</b>									
8,100.02	90.04	359.92	7,340.00	-512.70	664.62	14,527,565.83	1,731,437.92	40.00183004	-104.67497486
8,200.02	90.04	359.92	7,339.94	-412.70	664.49	14,527,665.82	1,731,437.42	40.00210466	-104.67497533
8,300.02	90.04	359.92	7,339.87	-312.70	664.35	14,527,765.82	1,731,436.93	40.00237927	-104.67497579
8,400.02	90.04	359.92	7,339.81	-212.70	664.22	14,527,865.82	1,731,436.43	40.00265389	-104.67497626
8,500.02	90.04	359.92	7,339.75	-112.70	664.09	14,527,965.82	1,731,435.94	40.00292850	-104.67497672
8,600.02	90.04	359.92	7,339.69	-12.70	663.96	14,528,065.82	1,731,435.44	40.00320312	-104.67497718
8,700.02	90.04	359.92	7,339.63	87.30	663.82	14,528,165.82	1,731,434.95	40.00347774	-104.67497765
8,800.02	90.04	359.92	7,339.56	187.30	663.69	14,528,265.82	1,731,434.45	40.00375235	-104.67497811
8,900.02	90.04	359.92	7,339.50	287.30	663.56	14,528,365.82	1,731,433.96	40.00402697	-104.67497858
9,000.02	90.04	359.92	7,339.44	387.30	663.42	14,528,465.81	1,731,433.47	40.00430159	-104.67497904
9,100.02	90.04	359.92	7,339.38	487.30	663.29	14,528,565.81	1,731,432.97	40.00457620	-104.67497951
9,200.02	90.04	359.92	7,339.32	587.30	663.16	14,528,665.81	1,731,432.48	40.00485082	-104.67497997
9,300.02	90.04	359.92	7,339.25	687.30	663.03	14,528,765.81	1,731,431.98	40.00512543	-104.67498044
9,400.02	90.04	359.92	7,339.19	787.30	662.89	14,528,865.81	1,731,431.49	40.00540005	-104.67498090
9,500.02	90.04	359.92	7,339.13	887.30	662.76	14,528,965.81	1,731,430.99	40.00567467	-104.67498136
9,600.02	90.04	359.92	7,339.07	987.30	662.63	14,529,065.81	1,731,430.50	40.00594928	-104.67498183
9,700.02	90.04	359.92	7,339.00	1,087.30	662.50	14,529,165.81	1,731,430.00	40.00622390	-104.67498229
9,800.02	90.04	359.92	7,338.94	1,187.30	662.36	14,529,265.80	1,731,429.51	40.00649852	-104.67498276
9,900.02	90.04	359.92	7,338.88	1,287.30	662.23	14,529,365.80	1,731,429.01	40.00677313	-104.67498322

<b>Database:</b>	DB_Jul2216dt_v14	<b>Local Co-ordinate Reference:</b>	Well Buford 33-09-3L
<b>Company:</b>	Confluence Resources	<b>TVD Reference:</b>	RKB=5077+25 @ 5102.00ft
<b>Project:</b>	Weld County, Colorado	<b>MD Reference:</b>	RKB=5077+25 @ 5102.00ft
<b>Site:</b>	Section 33-T01N-R65W	<b>North Reference:</b>	True
<b>Well:</b>	Buford 33-09-3L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Original Hole		
<b>Design:</b>	plan2		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
10,000.02	90.04	359.92	7,338.82	1,387.30	662.10	14,529,465.80	1,731,428.52	40.00704775	-104.67498369
10,100.02	90.04	359.92	7,338.76	1,487.30	661.96	14,529,565.80	1,731,428.02	40.00732236	-104.67498415
10,200.02	90.04	359.92	7,338.69	1,587.30	661.83	14,529,665.80	1,731,427.53	40.00759698	-104.67498462
10,300.02	90.04	359.92	7,338.63	1,687.30	661.70	14,529,765.80	1,731,427.03	40.00787160	-104.67498508
10,400.02	90.04	359.92	7,338.57	1,787.30	661.57	14,529,865.80	1,731,426.54	40.00814621	-104.67498554
10,500.02	90.04	359.92	7,338.51	1,887.30	661.43	14,529,965.80	1,731,426.04	40.00842083	-104.67498601
10,600.02	90.04	359.92	7,338.45	1,987.30	661.30	14,530,065.79	1,731,425.55	40.00869544	-104.67498647
10,700.02	90.04	359.92	7,338.38	2,087.30	661.17	14,530,165.79	1,731,425.05	40.00897006	-104.67498694
10,800.02	90.04	359.92	7,338.32	2,187.30	661.04	14,530,265.79	1,731,424.56	40.00924468	-104.67498740
10,900.02	90.04	359.92	7,338.26	2,287.30	660.90	14,530,365.79	1,731,424.07	40.00951929	-104.67498787
11,000.02	90.04	359.92	7,338.20	2,387.30	660.77	14,530,465.79	1,731,423.57	40.00979391	-104.67498833
11,100.02	90.04	359.92	7,338.13	2,487.30	660.64	14,530,565.79	1,731,423.08	40.01006852	-104.67498880
11,200.02	90.04	359.92	7,338.07	2,587.30	660.50	14,530,665.79	1,731,422.58	40.01034314	-104.67498926
11,300.02	90.04	359.92	7,338.01	2,687.30	660.37	14,530,765.79	1,731,422.09	40.01061776	-104.67498972
11,400.02	90.04	359.92	7,337.95	2,787.30	660.24	14,530,865.78	1,731,421.59	40.01089237	-104.67499019
11,500.02	90.04	359.92	7,337.89	2,887.30	660.11	14,530,965.78	1,731,421.10	40.01116699	-104.67499065
11,600.02	90.04	359.92	7,337.82	2,987.30	659.97	14,531,065.78	1,731,420.60	40.01144160	-104.67499112
11,700.02	90.04	359.92	7,337.76	3,087.30	659.84	14,531,165.78	1,731,420.11	40.01171622	-104.67499158
11,800.02	90.04	359.92	7,337.70	3,187.30	659.71	14,531,265.78	1,731,419.61	40.01199084	-104.67499205
11,900.02	90.04	359.92	7,337.64	3,287.30	659.58	14,531,365.78	1,731,419.12	40.01226545	-104.67499251
12,000.02	90.04	359.92	7,337.57	3,387.30	659.44	14,531,465.78	1,731,418.62	40.01254007	-104.67499297
12,100.02	90.04	359.92	7,337.51	3,487.30	659.31	14,531,565.78	1,731,418.13	40.01281468	-104.67499344
12,200.02	90.04	359.92	7,337.45	3,587.30	659.18	14,531,665.77	1,731,417.63	40.01308930	-104.67499390
12,300.02	90.04	359.92	7,337.39	3,687.30	659.05	14,531,765.77	1,731,417.14	40.01336391	-104.67499437
12,400.03	90.04	359.92	7,337.33	3,787.30	658.91	14,531,865.77	1,731,416.64	40.01363853	-104.67499483
12,500.03	90.04	359.92	7,337.26	3,887.30	658.78	14,531,965.77	1,731,416.15	40.01391315	-104.67499530
12,600.03	90.04	359.92	7,337.20	3,987.30	658.65	14,532,065.77	1,731,415.66	40.01418776	-104.67499576
12,700.03	90.04	359.92	7,337.14	4,087.31	658.51	14,532,165.77	1,731,415.16	40.01446238	-104.67499622
12,800.03	90.04	359.92	7,337.08	4,187.31	658.38	14,532,265.77	1,731,414.67	40.01473699	-104.67499669
12,900.03	90.04	359.92	7,337.02	4,287.31	658.25	14,532,365.77	1,731,414.17	40.01501161	-104.67499715
13,000.03	90.04	359.92	7,336.95	4,387.31	658.12	14,532,465.77	1,731,413.68	40.01528623	-104.67499762
13,100.03	90.04	359.92	7,336.89	4,487.31	657.98	14,532,565.76	1,731,413.18	40.01556084	-104.67499808
13,200.03	90.04	359.92	7,336.83	4,587.31	657.85	14,532,665.76	1,731,412.69	40.01583546	-104.67499855
13,300.03	90.04	359.92	7,336.77	4,687.31	657.72	14,532,765.76	1,731,412.19	40.01611007	-104.67499901
13,400.03	90.04	359.92	7,336.70	4,787.31	657.59	14,532,865.76	1,731,411.70	40.01638469	-104.67499947
13,500.03	90.04	359.92	7,336.64	4,887.31	657.45	14,532,965.76	1,731,411.20	40.01665930	-104.67499994
13,600.03	90.04	359.92	7,336.58	4,987.31	657.32	14,533,065.76	1,731,410.71	40.01693392	-104.67500040
13,700.03	90.04	359.92	7,336.52	5,087.31	657.19	14,533,165.76	1,731,410.21	40.01720854	-104.67500087
13,800.03	90.04	359.92	7,336.46	5,187.31	657.05	14,533,265.76	1,731,409.72	40.01748315	-104.67500133
13,900.03	90.04	359.92	7,336.39	5,287.31	656.92	14,533,365.75	1,731,409.22	40.01775777	-104.67500180
14,000.03	90.04	359.92	7,336.33	5,387.31	656.79	14,533,465.75	1,731,408.73	40.01803238	-104.67500226
14,100.03	90.04	359.92	7,336.27	5,487.31	656.66	14,533,565.75	1,731,408.23	40.01830700	-104.67500272
14,200.03	90.04	359.92	7,336.21	5,587.31	656.52	14,533,665.75	1,731,407.74	40.01858161	-104.67500319
14,300.03	90.04	359.92	7,336.15	5,687.31	656.39	14,533,765.75	1,731,407.24	40.01885623	-104.67500365
14,400.03	90.04	359.92	7,336.08	5,787.31	656.26	14,533,865.75	1,731,406.75	40.01913084	-104.67500412
14,500.03	90.04	359.92	7,336.02	5,887.31	656.13	14,533,965.75	1,731,406.26	40.01940546	-104.67500458
14,600.03	90.04	359.92	7,335.96	5,987.31	655.99	14,534,065.75	1,731,405.76	40.01968008	-104.67500505
14,700.03	90.04	359.92	7,335.90	6,087.31	655.86	14,534,165.74	1,731,405.27	40.01995469	-104.67500551
14,800.03	90.04	359.92	7,335.83	6,187.31	655.73	14,534,265.74	1,731,404.77	40.02022931	-104.67500597
14,900.03	90.04	359.92	7,335.77	6,287.31	655.59	14,534,365.74	1,731,404.28	40.02050392	-104.67500644
15,000.03	90.04	359.92	7,335.71	6,387.31	655.46	14,534,465.74	1,731,403.78	40.02077854	-104.67500690
15,100.03	90.04	359.92	7,335.65	6,487.31	655.33	14,534,565.74	1,731,403.29	40.02105315	-104.67500737
15,200.03	90.04	359.92	7,335.59	6,587.31	655.20	14,534,665.74	1,731,402.79	40.02132777	-104.67500783
15,300.03	90.04	359.92	7,335.52	6,687.31	655.06	14,534,765.74	1,731,402.30	40.02160238	-104.67500830
15,400.03	90.04	359.92	7,335.46	6,787.31	654.93	14,534,865.74	1,731,401.80	40.02187700	-104.67500876

<b>Database:</b>	DB_Jul216dt_v14	<b>Local Co-ordinate Reference:</b>	Well Buford 33-09-3L
<b>Company:</b>	Confluence Resources	<b>TVD Reference:</b>	RKB=5077+25 @ 5102.00ft
<b>Project:</b>	Weld County, Colorado	<b>MD Reference:</b>	RKB=5077+25 @ 5102.00ft
<b>Site:</b>	Section 33-T01N-R65W	<b>North Reference:</b>	True
<b>Well:</b>	Buford 33-09-3L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Original Hole		
<b>Design:</b>	plan2		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
15,500.03	90.04	359.92	7,335.40	6,887.31	654.80	14,534,965.73	1,731,401.31	40.02215161	-104.67500922
15,600.03	90.04	359.92	7,335.34	6,987.31	654.67	14,535,065.73	1,731,400.81	40.02242623	-104.67500969
15,700.03	90.04	359.92	7,335.28	7,087.31	654.53	14,535,165.73	1,731,400.32	40.02270085	-104.67501015
15,800.03	90.04	359.92	7,335.21	7,187.31	654.40	14,535,265.73	1,731,399.82	40.02297546	-104.67501062
15,900.03	90.04	359.92	7,335.15	7,287.31	654.27	14,535,365.73	1,731,399.33	40.02325008	-104.67501108
16,000.03	90.04	359.92	7,335.09	7,387.31	654.13	14,535,465.73	1,731,398.83	40.02352469	-104.67501154
16,100.03	90.04	359.92	7,335.03	7,487.31	654.00	14,535,565.73	1,731,398.34	40.02379931	-104.67501201
16,200.03	90.04	359.92	7,334.96	7,587.31	653.87	14,535,665.73	1,731,397.84	40.02407392	-104.67501247
16,300.03	90.04	359.92	7,334.90	7,687.31	653.74	14,535,765.72	1,731,397.35	40.02434854	-104.67501294
16,400.03	90.04	359.92	7,334.84	7,787.31	653.60	14,535,865.72	1,731,396.86	40.02462315	-104.67501340
16,500.03	90.04	359.92	7,334.78	7,887.31	653.47	14,535,965.72	1,731,396.36	40.02489777	-104.67501387
16,600.03	90.04	359.92	7,334.72	7,987.31	653.34	14,536,065.72	1,731,395.87	40.02517238	-104.67501433
16,700.03	90.04	359.92	7,334.65	8,087.31	653.21	14,536,165.72	1,731,395.37	40.02544700	-104.67501479
16,800.03	90.04	359.92	7,334.59	8,187.31	653.07	14,536,265.72	1,731,394.88	40.02572161	-104.67501526
16,900.03	90.04	359.92	7,334.53	8,287.31	652.94	14,536,365.72	1,731,394.38	40.02599623	-104.67501572
17,000.03	90.04	359.92	7,334.47	8,387.31	652.81	14,536,465.72	1,731,393.89	40.02627084	-104.67501619
17,100.03	90.04	359.92	7,334.41	8,487.31	652.68	14,536,565.71	1,731,393.39	40.02654546	-104.67501665
17,200.03	90.04	359.92	7,334.34	8,587.31	652.54	14,536,665.71	1,731,392.90	40.02682007	-104.67501711
17,300.03	90.04	359.92	7,334.28	8,687.31	652.41	14,536,765.71	1,731,392.40	40.02709469	-104.67501758
17,400.04	90.04	359.92	7,334.22	8,787.31	652.28	14,536,865.71	1,731,391.91	40.02736930	-104.67501804
17,500.04	90.04	359.92	7,334.16	8,887.31	652.14	14,536,965.71	1,731,391.41	40.02764392	-104.67501851
17,600.04	90.04	359.92	7,334.09	8,987.31	652.01	14,537,065.71	1,731,390.92	40.02791854	-104.67501897
17,700.04	90.04	359.92	7,334.03	9,087.31	651.88	14,537,165.71	1,731,390.42	40.02819315	-104.67501944
17,751.62	90.04	359.92	7,334.00	9,138.89	651.81	14,537,217.29	1,731,390.17	40.02833481	-104.67501967
PBHL/TD 17751.62 MD/7334.00 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									
BHL Buford 33-09-3L 47	0.00	0.00	7,334.00	9,138.90	651.81	14,537,217.29	1,731,390.17	40.02833482	-104.67501967
- plan hits target center									
- Point									
LP Buford 33-09-3L 470	0.00	0.00	7,340.00	-514.90	664.62	14,527,563.62	1,731,437.93	40.00182399	-104.67497485
- plan hits target center									
- Point									

Plan Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
5,000.00	5,000.00	0.00	0.00	KOP Begin 10°/100' build
5,398.78	5,367.35	-123.60	49.82	Begin 39.88° tangent
6,832.36	6,467.50	-976.11	393.41	Begin 10°/100' build/turn
8,097.82	7,340.00	-514.90	664.62	Begin 90.04° lateral section
17,751.62	7,334.00	9,138.89	651.81	PBHL/TD 17751.62 MD/7334.00 TVD