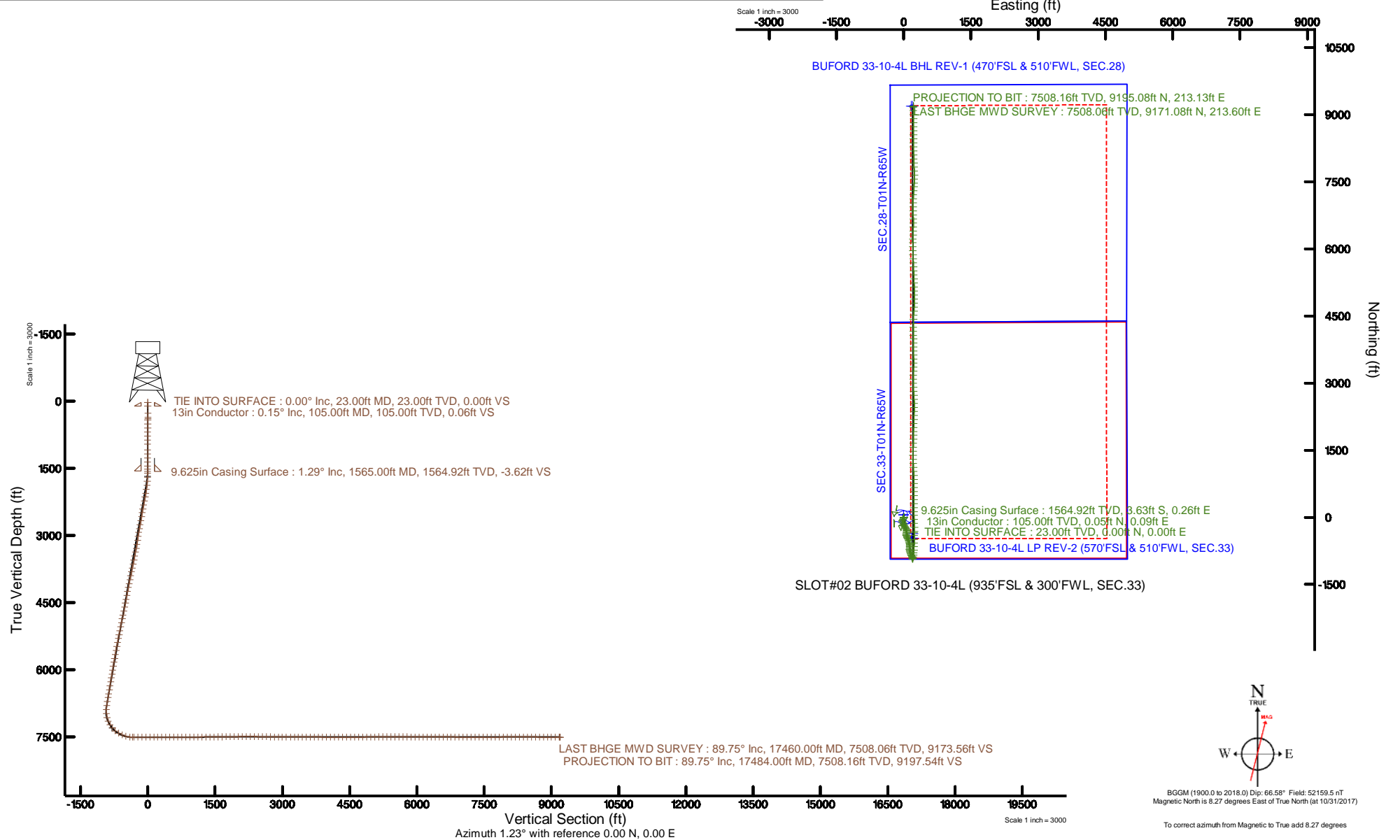


CONFLUENCE RESOURCES



Location: COLORADO Slot: SLOT#02 BUFORD 33-10-4L (935'FSL & 300'FWL, SEC.33)
 Field: WELD COUNTY (NAD83, TRUE NORTH) Well: BUFORD 33-10-4L
 Facility: SEC.33-T01N-R65W Wellbore: BUFORD 33-10-4L_PWB

Plot reference wellpath is BUFORD 33-10-4L PWP (REV-A.0)	Grid System: NAD83 / Lambert Colorado SP, Northern Zone (501), US feet
True vertical depths are referenced to ENSIGN 160 (23) (RKB)	North Reference: True north
Measured depths are referenced to ENSIGN 160 (23) (RKB)	Scale: True distance
ENSIGN 160 (23) (RKB) to Mean Sea Level: 5100 feet	Depths are in feet
Mean Sea Level to Mud line (At Slot: SLOT#02 BUFORD 33-10-4L (935'FSL & 300'FWL, SEC.33)): 0 feet	Created by: bensjaj on 2017-11-29
Coordinates are in feet referenced to Slot	Database: WA_DEN_Denver_Defn



Actual Wellpath Report

BUFORD 33-10-4L AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	CONFLUENCE RESOURCES	Slot	SLOT#02 BUFORD 33-10-4L (935'FSL & 300'FWL, SEC.33)
Area	COLORADO	Well	BUFORD 33-10-4L
Field	WELD COUNTY (NAD83, TRUE NORTH)	Wellbore	BUFORD 33-10-4L AWB
Facility	SEC.33-T01N-R65W		

REPORT SETUP INFORMATION			
Projection System	NAD83 / Lambert Colorado SP, Northern Zone (501), US feet	Software System	WellArchitect® 5.1
North Reference	True	User	Bensjacj
Scale	0.999966	Report Generated	11/29/2017 at 9:15 AM
Convergence at slot	0.53° East	Database/Source file	WA_DEN_Denver_Defn/BUFORD_33-10-4L_AWP.xml

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-51.00	0.00	3230457.37	1245045.09	40°00'11.160"N	104°40'38.424"W
Facility Reference Pt			3230456.90	1245096.09	40°00'11.664"N	104°40'38.424"W
Field Reference Pt			3230456.90	1245096.09	40°00'11.664"N	104°40'38.424"W

WELLPATH DATUM			
Calculation method	Minimum curvature	ENSIGN 160 (23') (RKB) to Facility Vertical Datum	5100.00ft
Horizontal Reference Pt	Slot	ENSIGN 160 (23') (RKB) to Mean Sea Level	5100.00ft
Vertical Reference Pt	ENSIGN 160 (23') (RKB)	ENSIGN 160 (23') (RKB) to Mud Line at Slot (SLOT#02 BUFORD 33-10-4L (935'FSL & 300'FWL, SEC.33))	5100.00ft
MD Reference Pt	ENSIGN 160 (23') (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	1.23°

Actual Wellpath Report

BUFORD 33-10-4L AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	CONFLUENCE RESOURCES	Slot	SLOT#02 BUFORD 33-10-4L (935'FSL & 300'FWL, SEC.33)
Area	COLORADO	Well	BUFORD 33-10-4L
Field	WELD COUNTY (NAD83, TRUE NORTH)	Wellbore	BUFORD 33-10-4L AWP
Facility	SEC.33-T01N-R65W		

WELLPATH DATA (197 stations)								
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
23.00	0.000	59.820	23.00	0.00	0.00	0.00	0.00	TIE INTO SURFACE
264.00	0.440	59.820	264.00	0.48	0.47	0.80	0.18	
356.00	0.220	128.000	356.00	0.56	0.53	1.24	0.45	
387.00	0.150	152.850	387.00	0.49	0.46	1.31	0.34	
417.00	0.230	130.520	417.00	0.42	0.39	1.37	0.36	
507.00	0.350	136.000	506.99	0.11	0.07	1.70	0.14	
597.00	0.650	134.520	596.99	-0.43	-0.48	2.26	0.33	
687.00	0.500	154.200	686.99	-1.13	-1.20	2.79	0.27	
777.00	0.400	131.390	776.98	-1.69	-1.76	3.20	0.23	
866.00	0.190	111.460	865.98	-1.94	-2.02	3.57	0.26	
955.00	0.420	126.720	954.98	-2.18	-2.26	3.97	0.27	
1083.00	0.430	74.830	1082.98	-2.32	-2.42	4.81	0.29	
1179.00	0.350	122.290	1178.98	-2.36	-2.48	5.40	0.34	
1269.00	0.910	269.740	1268.97	-2.53	-2.63	4.92	1.36	
1359.00	1.090	283.970	1358.96	-2.36	-2.43	3.37	0.34	
1449.00	0.890	273.220	1448.95	-2.14	-2.18	1.85	0.30	
1514.00	1.250	219.920	1513.94	-2.68	-2.70	0.89	1.56	
1609.00	1.360	199.100	1608.91	-4.56	-4.56	-0.15	0.51	
1698.00	1.430	203.210	1697.89	-6.60	-6.58	-0.93	0.14	
1787.00	4.040	196.890	1786.78	-10.64	-10.60	-2.28	2.95	
1877.00	7.060	192.070	1876.35	-19.13	-19.04	-4.36	3.39	
1966.00	9.530	207.820	1964.42	-31.10	-30.91	-8.94	3.75	
2056.00	11.300	217.360	2052.94	-44.88	-44.51	-17.77	2.74	
2146.00	11.400	205.890	2141.19	-60.09	-59.52	-27.00	2.51	
2235.00	11.280	186.910	2228.48	-76.75	-76.08	-31.89	4.18	
2324.00	11.410	173.610	2315.76	-94.14	-93.48	-31.96	2.94	
2414.00	11.390	151.640	2404.03	-110.70	-110.15	-26.75	4.80	
2504.00	10.970	142.460	2492.32	-125.11	-124.76	-17.31	2.03	
2594.00	11.160	150.390	2580.66	-139.26	-139.13	-7.79	1.70	
2683.00	10.810	157.220	2668.03	-154.28	-154.31	-0.30	1.51	
2773.00	11.470	169.170	2756.34	-170.74	-170.88	4.65	2.66	
2863.00	11.420	157.990	2844.57	-187.68	-187.93	9.67	2.46	
2952.00	11.570	141.960	2931.80	-202.69	-203.14	18.48	3.58	
3042.00	10.240	139.490	3020.18	-215.65	-216.33	29.24	1.57	
3131.00	11.240	150.750	3107.63	-229.03	-229.91	38.61	2.61	
3221.00	10.790	148.990	3195.97	-243.71	-244.78	47.24	0.62	
3312.00	11.100	156.670	3285.32	-258.88	-260.13	55.10	1.64	
3401.00	11.640	164.610	3372.58	-275.28	-276.65	60.87	1.86	
3491.00	11.230	168.680	3460.79	-292.53	-294.00	65.00	1.01	
3581.00	11.630	178.700	3549.01	-310.15	-311.67	66.93	2.25	
3671.00	11.610	187.530	3637.18	-328.22	-329.71	65.95	1.97	
3761.00	11.580	197.190	3725.35	-345.91	-347.32	62.09	2.16	
3850.00	11.640	191.390	3812.53	-363.33	-364.66	57.68	1.31	
3940.00	11.440	180.060	3900.72	-381.20	-382.49	55.88	2.52	
4029.00	11.520	168.600	3987.95	-398.69	-400.03	57.62	2.56	

Actual Wellpath Report

BUFORD 33-10-4L AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	CONFLUENCE RESOURCES	Slot	SLOT#02 BUFORD 33-10-4L (935'FSL & 300'FWL, SEC.33)
Area	COLORADO	Well	BUFORD 33-10-4L
Field	WELD COUNTY (NAD83, TRUE NORTH)	Wellbore	BUFORD 33-10-4L AWB
Facility	SEC.33-T01N-R65W		

WELLPATH DATA (197 stations)								
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
4119.00	11.970	160.360	4076.08	-416.18	-417.63	62.54	1.93	
4208.00	12.030	157.990	4163.13	-433.33	-434.92	69.12	0.56	
4298.00	12.060	156.230	4251.15	-450.47	-452.22	76.42	0.41	
4387.00	11.980	149.770	4338.20	-466.77	-468.71	84.82	1.51	
4477.00	12.050	149.610	4426.23	-482.74	-484.89	94.27	0.09	
4566.00	11.970	152.810	4513.28	-498.77	-501.11	103.19	0.75	
4655.00	11.960	158.290	4600.35	-515.38	-517.89	110.82	1.28	
4744.00	11.950	163.180	4687.43	-532.63	-535.27	116.90	1.14	
4834.00	11.960	169.210	4775.48	-550.61	-553.35	121.34	1.39	
4923.00	12.080	169.280	4862.53	-568.74	-571.56	124.80	0.14	
5013.00	11.880	168.000	4950.57	-586.97	-589.88	128.48	0.37	
5102.00	11.140	169.250	5037.78	-604.30	-607.29	131.98	0.88	
5193.00	10.930	176.450	5127.10	-621.50	-624.53	134.16	1.53	
5283.00	10.950	182.270	5215.46	-638.55	-641.59	134.35	1.23	
5373.00	11.010	184.650	5303.82	-655.67	-658.70	133.31	0.51	
5462.00	11.010	187.860	5391.18	-672.60	-675.59	131.46	0.69	
5552.00	11.130	187.810	5479.51	-689.76	-692.71	129.11	0.13	
5642.00	11.140	180.030	5567.82	-707.09	-710.01	127.92	1.67	
5732.00	10.120	170.030	5656.28	-723.54	-726.49	129.29	2.34	
5822.00	10.040	163.850	5744.89	-738.78	-741.82	132.84	1.20	
5912.00	10.070	164.100	5833.51	-753.79	-756.92	137.17	0.06	
6001.00	10.110	164.380	5921.13	-768.70	-771.92	141.41	0.07	
6090.00	10.080	164.270	6008.75	-783.62	-786.94	145.62	0.04	
6178.00	10.010	162.980	6095.41	-798.25	-801.67	149.95	0.27	
6268.00	10.050	160.680	6184.03	-813.03	-816.56	154.84	0.45	
6357.00	10.100	156.320	6271.66	-827.38	-831.04	160.54	0.86	
6447.00	10.040	154.050	6360.27	-841.52	-845.32	167.14	0.45	
6536.00	10.340	153.620	6447.87	-855.50	-859.45	174.09	0.35	
6626.00	10.250	157.850	6536.42	-870.00	-874.10	180.70	0.85	
6715.00	10.290	162.120	6624.00	-884.78	-889.00	186.12	0.86	
6804.00	10.270	167.570	6711.57	-900.00	-904.31	190.27	1.09	
6893.00	10.220	174.150	6799.15	-915.55	-919.92	192.78	1.32	
6983.00	3.420	148.770	6888.48	-925.75	-930.17	194.99	8.09	
7073.00	6.830	37.060	6978.25	-923.67	-928.19	199.62	9.66	
7163.00	14.140	27.880	7066.70	-909.49	-914.18	207.99	8.31	
7253.00	23.080	11.390	7151.96	-882.22	-887.10	216.64	11.43	
7343.00	32.440	0.390	7231.56	-840.60	-845.55	220.30	11.82	
7432.00	40.900	4.820	7302.90	-787.55	-792.54	222.92	9.95	
7521.00	49.260	3.760	7365.69	-724.68	-729.75	227.58	9.43	
7610.00	58.630	2.050	7418.01	-652.84	-657.97	231.16	10.64	
7699.00	66.750	0.680	7458.82	-573.83	-578.98	233.01	9.23	
7789.00	75.690	0.580	7487.76	-488.71	-493.87	233.94	9.93	
7878.00	84.110	1.060	7503.35	-401.17	-406.33	235.20	9.48	
7936.00	89.720	1.580	7506.47	-343.28	-348.46	236.54	9.71	
7968.00	89.910	0.860	7506.58	-311.28	-316.46	237.22	2.33	

Actual Wellpath Report

BUFORD 33-10-4L AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	CONFLUENCE RESOURCES	Slot	SLOT#02 BUFORD 33-10-4L (935'FSL & 300'FWL, SEC.33)
Area	COLORADO	Well	BUFORD 33-10-4L
Field	WELD COUNTY (NAD83, TRUE NORTH)	Wellbore	BUFORD 33-10-4L AWB
Facility	SEC.33-T01N-R65W		

WELLPATH DATA (197 stations)								
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
8058.00	90.060	359.030	7506.60	-221.30	-226.47	237.13	2.04	
8146.00	89.450	358.150	7506.98	-133.40	-138.50	234.97	1.22	
8237.00	89.660	358.850	7507.68	-42.51	-47.53	232.58	0.80	
8326.00	89.510	358.540	7508.33	46.40	41.44	230.56	0.39	
8415.00	90.090	358.910	7508.64	135.32	130.42	228.58	0.77	
8504.00	90.000	359.860	7508.57	224.27	219.42	227.62	1.07	
8593.00	90.180	0.150	7508.43	313.25	308.41	227.63	0.38	
8682.00	90.120	0.070	7508.20	402.23	397.41	227.80	0.11	
8771.00	90.340	1.310	7507.84	491.22	486.41	228.87	1.42	
8861.00	90.180	1.090	7507.43	581.22	576.38	230.76	0.30	
8951.00	90.220	359.990	7507.12	671.22	666.38	231.60	1.22	
9040.00	90.250	359.740	7506.75	760.19	755.38	231.40	0.28	
9130.00	90.120	358.930	7506.46	850.14	845.37	230.35	0.91	
9220.00	90.180	357.130	7506.23	939.99	935.31	227.26	2.00	
9310.00	90.150	356.310	7505.97	1029.71	1025.16	222.11	0.91	
9400.00	90.490	357.030	7505.46	1119.43	1115.01	216.88	0.88	
9490.00	90.430	357.360	7504.74	1209.20	1204.90	212.48	0.37	
9579.00	90.740	358.290	7503.83	1298.04	1293.83	209.10	1.10	
9669.00	90.680	0.460	7502.72	1387.98	1383.81	208.12	2.41	
9758.00	90.580	1.500	7501.74	1476.97	1472.79	209.64	1.17	
9848.00	90.680	1.710	7500.75	1566.96	1562.75	212.16	0.26	
9937.00	90.710	1.920	7499.67	1655.95	1651.70	214.98	0.24	
10028.00	90.800	1.670	7498.47	1746.94	1742.65	217.83	0.29	
10117.00	90.770	1.000	7497.25	1835.93	1831.61	219.90	0.75	
10206.00	90.650	0.760	7496.15	1924.92	1920.60	221.27	0.30	
10296.00	90.580	1.080	7495.18	2014.91	2010.58	222.71	0.36	
10386.00	90.620	1.290	7494.24	2104.91	2100.56	224.57	0.24	
10475.00	90.430	1.730	7493.42	2193.90	2189.52	226.92	0.54	
10565.00	89.600	2.230	7493.40	2283.89	2279.47	230.03	1.08	
10654.00	89.320	2.180	7494.24	2372.88	2368.40	233.45	0.32	
10744.00	89.080	0.590	7495.50	2462.87	2458.36	235.63	1.79	
10834.00	89.110	358.330	7496.92	2552.81	2548.34	234.78	2.51	
10924.00	89.110	357.300	7498.32	2642.63	2638.26	231.35	1.14	
11014.00	89.140	357.090	7499.69	2732.40	2728.14	226.95	0.24	
11104.00	89.200	357.050	7500.99	2822.15	2818.01	222.35	0.08	
11193.00	89.200	357.840	7502.24	2910.95	2906.92	218.38	0.89	
11282.00	88.830	358.750	7503.77	2999.82	2995.86	215.73	1.10	
11372.00	90.060	359.920	7504.64	3089.76	3085.85	214.69	1.89	
11462.00	90.770	2.240	7503.99	3179.75	3175.82	216.38	2.70	
11552.00	89.750	2.170	7503.58	3269.74	3265.76	219.85	1.14	
11641.00	89.850	1.650	7503.89	3358.73	3354.71	222.81	0.59	
11731.00	89.750	359.790	7504.20	3448.72	3444.69	223.94	2.07	
11820.00	90.090	359.010	7504.33	3537.67	3533.69	223.01	0.96	
11911.00	89.880	359.470	7504.35	3628.62	3624.68	221.80	0.56	
12000.00	89.820	359.760	7504.58	3717.58	3713.68	221.21	0.33	

Actual Wellpath Report

BUFORD 33-10-4L AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	CONFLUENCE RESOURCES	Slot	SLOT#02 BUFORD 33-10-4L (935'FSL & 300'FWL, SEC.33)
Area	COLORADO	Well	BUFORD 33-10-4L
Field	WELD COUNTY (NAD83, TRUE NORTH)	Wellbore	BUFORD 33-10-4L AWB
Facility	SEC.33-T01N-R65W		

WELLPATH DATA (197 stations)								
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
12089.00	89.780	359.240	7504.89	3806.54	3802.67	220.43	0.59	
12179.00	89.750	359.260	7505.26	3896.49	3892.66	219.25	0.04	
12269.00	89.320	359.610	7505.99	3986.44	3982.66	218.36	0.62	
12359.00	89.140	358.280	7507.20	4076.36	4072.63	216.71	1.49	
12449.00	90.030	358.820	7507.86	4166.25	4162.60	214.43	1.16	
12538.00	90.090	359.580	7507.76	4255.20	4251.59	213.19	0.86	
12628.00	90.120	1.280	7507.60	4345.18	4341.58	213.86	1.89	
12717.00	90.310	2.800	7507.26	4434.17	4430.52	217.03	1.72	
12807.00	90.060	4.140	7506.97	4524.10	4520.36	222.48	1.51	
12896.00	90.430	3.780	7506.59	4613.00	4609.14	228.62	0.58	
12986.00	90.250	2.090	7506.06	4702.95	4699.02	233.23	1.89	
13076.00	90.340	359.520	7505.59	4792.94	4789.00	234.50	2.86	
13166.00	90.950	359.640	7504.58	4882.90	4878.99	233.84	0.69	
13256.00	90.920	359.490	7503.11	4972.85	4968.98	233.15	0.17	
13346.00	90.890	0.890	7501.69	5062.82	5058.97	233.45	1.56	
13435.00	90.890	359.060	7500.31	5151.79	5147.95	233.41	2.06	
13524.00	89.850	358.730	7499.73	5240.71	5236.93	231.70	1.23	
13614.00	89.880	357.970	7499.95	5330.59	5326.89	229.10	0.85	
13705.00	90.120	357.770	7499.95	5421.44	5417.83	225.72	0.34	
13795.00	90.150	357.800	7499.73	5511.27	5507.76	222.24	0.05	
13885.00	89.970	357.550	7499.64	5601.10	5597.69	218.59	0.34	
13974.00	89.720	357.130	7499.88	5689.89	5686.59	214.46	0.55	
14063.00	89.630	357.900	7500.39	5778.70	5775.51	210.60	0.87	
14153.00	89.600	358.600	7500.99	5868.58	5865.46	207.86	0.78	
14243.00	90.120	359.150	7501.21	5958.50	5955.44	206.09	0.84	
14332.00	90.000	359.670	7501.12	6047.46	6044.44	205.17	0.60	
14422.00	90.090	0.320	7501.05	6137.43	6134.44	205.16	0.73	
14511.00	89.910	1.080	7501.05	6226.43	6223.43	206.25	0.88	
14600.00	89.970	1.840	7501.14	6315.43	6312.40	208.52	0.86	
14690.00	89.690	1.540	7501.41	6405.42	6402.36	211.17	0.46	
14780.00	89.380	1.060	7502.14	6495.42	6492.33	213.22	0.63	
14869.00	89.510	0.140	7503.00	6584.41	6581.32	214.15	1.04	
14959.00	89.660	358.640	7503.65	6674.36	6671.31	213.19	1.67	
15048.00	89.480	359.260	7504.32	6763.29	6760.30	211.56	0.73	
15137.00	89.510	359.510	7505.10	6852.24	6849.29	210.60	0.28	
15227.00	89.420	359.620	7505.94	6942.19	6939.28	209.92	0.16	
15316.00	89.600	0.430	7506.70	7031.17	7028.28	209.96	0.93	
15405.00	89.420	2.080	7507.47	7120.16	7117.25	211.91	1.86	
15494.00	90.340	3.940	7507.65	7209.12	7206.12	216.58	2.33	
15583.00	90.090	4.080	7507.32	7298.01	7294.90	222.80	0.32	
15673.00	90.060	3.850	7507.20	7387.91	7384.69	229.03	0.26	
15762.00	90.150	2.360	7507.04	7476.86	7473.55	233.85	1.68	
15851.00	90.220	1.060	7506.75	7565.85	7562.51	236.50	1.46	
15941.00	90.090	359.430	7506.51	7655.84	7652.51	236.89	1.82	
16031.00	90.370	357.890	7506.15	7745.74	7742.48	234.78	1.74	

Actual Wellpath Report

BUFORD 33-10-4L AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	CONFLUENCE RESOURCES	Slot	SLOT#02 BUFORD 33-10-4L (935'FSL & 300'FWL, SEC.33)
Area	COLORADO	Well	BUFORD 33-10-4L
Field	WELD COUNTY (NAD83, TRUE NORTH)	Wellbore	BUFORD 33-10-4L AWB
Facility	SEC.33-T01N-R65W		

WELLPATH DATA (197 stations)								
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
16120.00	90.400	357.440	7505.55	7834.57	7831.40	231.16	0.51	
16209.00	90.490	358.370	7504.86	7923.41	7920.34	227.90	1.05	
16299.00	90.710	358.490	7503.91	8013.30	8010.30	225.44	0.28	
16389.00	90.550	358.140	7502.92	8103.18	8100.26	222.79	0.43	
16479.00	89.780	357.970	7502.66	8193.04	8190.20	219.74	0.88	
16569.00	89.630	359.260	7503.13	8282.94	8280.17	217.56	1.44	
16658.00	89.820	359.880	7503.56	8371.90	8369.17	216.90	0.73	
16748.00	89.850	0.220	7503.81	8461.88	8459.17	216.97	0.38	
16838.00	89.630	0.860	7504.22	8551.87	8549.16	217.82	0.75	
16928.00	89.600	0.790	7504.83	8641.87	8639.15	219.12	0.08	
17018.00	89.660	359.960	7505.41	8731.86	8729.15	219.71	0.92	
17107.00	89.600	359.790	7505.98	8820.83	8818.15	219.51	0.20	
17197.00	89.720	359.420	7506.52	8910.79	8908.14	218.89	0.43	
17286.00	89.600	358.680	7507.05	8999.72	8997.13	217.42	0.84	
17376.00	89.660	358.710	7507.63	9089.63	9087.10	215.37	0.07	
17460.00	89.750	358.880	7508.06	9173.56	9171.08	213.60	0.23	LAST BHGE MWD SURVEY
17484.00	89.750	358.880	7508.16	9197.54	9195.08	213.13	0.00	PROJECTION TO BIT

HOLE & CASING SECTIONS - Ref Wellbore: BUFORD 33-10-4L AWB Ref Wellpath: BUFORD 33-10-4L AWP									
String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13in Conductor	23.00	105.00	82.00	23.00	105.00	0.00	0.00	0.05	0.09
12.25in Open Hole	105.00	1570.00	1465.00	105.00	1569.92	0.05	0.09	-3.73	0.21
9.625in Casing Surface	23.00	1565.00	1542.00	23.00	1564.92	0.00	0.00	-3.63	0.26
8.5in Open Hole	1565.00	17484.00	15919.00	1564.92	7508.16	-3.63	0.26	9195.08	213.13

Actual Wellpath Report

BUFORD 33-10-4L AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	CONFLUENCE RESOURCES	Slot	SLOT#02 BUFORD 33-10-4L (935'FSL & 300'FWL, SEC.33)
Area	COLORADO	Well	BUFORD 33-10-4L
Field	WELD COUNTY (NAD83, TRUE NORTH)	Wellbore	BUFORD 33-10-4L AWB
Facility	SEC.33-T01N-R65W		

TARGETS								
Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
SEC.28-T01N-R65W	0.00	51.00	0.00	3230456.90	1245096.09	40°00'11.664"N	104°40'38.424"W	polygon
SEC.33-T01N-R65W	5.00	51.00	0.00	3230456.90	1245096.09	40°00'11.664"N	104°40'38.424"W	polygon
460' SETBACKS	7334.00	51.00	0.00	3230456.90	1245096.09	40°00'11.664"N	104°40'38.424"W	polygon
BUFORD 33-10-4L BHL ON PLAT (470'FSL & 480'FWL, SEC.28)	7496.00	9187.33	168.03	3230540.16	1254233.26	40°01'41.952"N	104°40'36.264"W	point
BUFORD 33-10-4L BHL REV-1 (470'FSL & 510'FWL, SEC.28)	7496.00	9187.33	198.03	3230570.15	1254233.54	40°01'41.952"N	104°40'35.878"W	point
BUFORD 33-10-4L LP ON PLAT (470'FSL & 480'FWL, SEC.33)	7507.00	-462.64	182.10	3230643.75	1244584.18	40°00'06.588"N	104°40'36.084"W	point
BUFORD 33-10-4L LP REV-1 (470'FSL & 510'FWL, SEC.33)	7507.00	-462.64	212.10	3230673.75	1244584.45	40°00'06.588"N	104°40'35.699"W	point
BUFORD 33-10-4L LP REV-2 (570'FSL & 510'FWL, SEC.33)	7507.00	-362.64	212.10	3230672.82	1244684.45	40°00'07.576"N	104°40'35.698"W	point

WELLPATH COMPOSITION - Ref Wellbore: BUFORD 33-10-4L AWB					Ref Wellpath: BUFORD 33-10-4L AWP
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	
23.00	1514.00	BHI NaviTrak (Rotating+Axial Corr)	SURFACE MWD <264'-1514'>	BUFORD 33-10-4L AWB	
1514.00	17460.00	BHI NaviTrak (Rotating)	BHI ATC SURVEYS <1609'-17460'>	BUFORD 33-10-4L AWB	
17460.00	17484.00	Blind Drilling (std)	Projection to bit	BUFORD 33-10-4L AWB	

Actual Wellpath Report

BUFORD 33-10-4L AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	CONFLUENCE RESOURCES	Slot	SLOT#02 BUFORD 33-10-4L (935'FSL & 300'FWL, SEC.33)
Area	COLORADO	Well	BUFORD 33-10-4L
Field	WELD COUNTY (NAD83, TRUE NORTH)	Wellbore	BUFORD 33-10-4L AWP
Facility	SEC.33-T01N-R65W		

WELLPATH COMMENTS				
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
23.00	0.000	59.820	23.00	TIE INTO SURFACE
17460.00	89.750	358.880	7508.06	LAST BHGE MWD SURVEY
17484.00	89.750	358.880	7508.16	PROJECTION TO BIT