

# CONFLUENCE RESOURCES

Location: COLORADO Slot: SLOT#06 BUFORD 33-3-3L (770'FSL & 869'FWL,SEC.34)

Field: WELD COUNTY (NAD83, TRUE NORTH) Well: BUFORD 33-3-3L

Facility: SEC.34-T01N-R65W Wellbore: BUFORD 33-3-3L PWB

Plot reference wellpath is BUFORD 33-3-3L (REV-A.0) PWP

Grid System: NAD83 / Lambert Colorado SP, Northern Zone (501), US feet

True vertical depths are referenced to RIG (20.5') (RKB)

North Reference: True north

Reference wellpath measured depths are referenced to RIG (20.5') (RKB)

Scale: True distance

RIG (20.5') (RKB) to Mean Sea Level: 5158.5 feet

Coordinates are in feet referenced to Slot

Mean Sea Level to Mud line (At Slot: SLOT#06 BUFORD 33-3-3L (770'FSL & 869'FWL,SEC.34)): 0 feet

Depths are in feet

Offset wellpath MDs are referenced to each path's default MD datum

Created by: adamkiet on 2020-01-27; Database: Denver

## Location Information

Facility Name				Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
SEC.34-T01N-R65W				3236196.141	1244789.256	40°00'8.1000"N	104°39'24.8400"W
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	
SLOT#06 BUFORD 33-3-3L (770'FSL & 869'FWL,SEC.34)	149.36	126.07	3236310.779	1244939.801	40°00'9.5760"N	104°39'23.2200"W	
RIG (20.5') (RKB) to Mud line (At Slot: SLOT#06 BUFORD 33-3-3L (770'FSL & 869'FWL,SEC.34))				5158.5ft			
Mean Sea Level to Mud line (At Slot: SLOT#06 BUFORD 33-3-3L (770'FSL & 869'FWL,SEC.34))				0ft			
RIG (20.5') (RKB) to Mean Sea Level				5158.5ft			

## Targets

Name	MD (ft)	TVD (ft)	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
SEC 28-T01N-R65W	N/A	2.00	0.00	-100.85	3236209.93	1244938.84	40°00'9.5760"N	104°39'24.5160"W
SEC 33-T01N-R65W	N/A	2.00	0.00	-100.85	3236209.93	1244938.84	40°00'9.5760"N	104°39'24.5160"W
SEC 34-T01N-R65W	N/A	2.00	0.00	-100.85	3236209.93	1244938.84	40°00'9.5760"N	104°39'24.5160"W
BUFORD 33-3-3L BHL REV-1 (470'FSL & 1163'FEL,SEC.28)	17739.58	7393.50	9365.92	-2047.14	3234174.71	1254285.48	40°01'42.1320"N	104°39'49.5360"W
BUFORD 33-3-3L LP REV-1 (470'FSL & 1163'FEL,SEC.33)	8071.37	7393.50	-302.28	-2031.13	3234282.89	1244618.23	40°00'6.5880"N	104°39'49.3200"W

## Tie-On Position

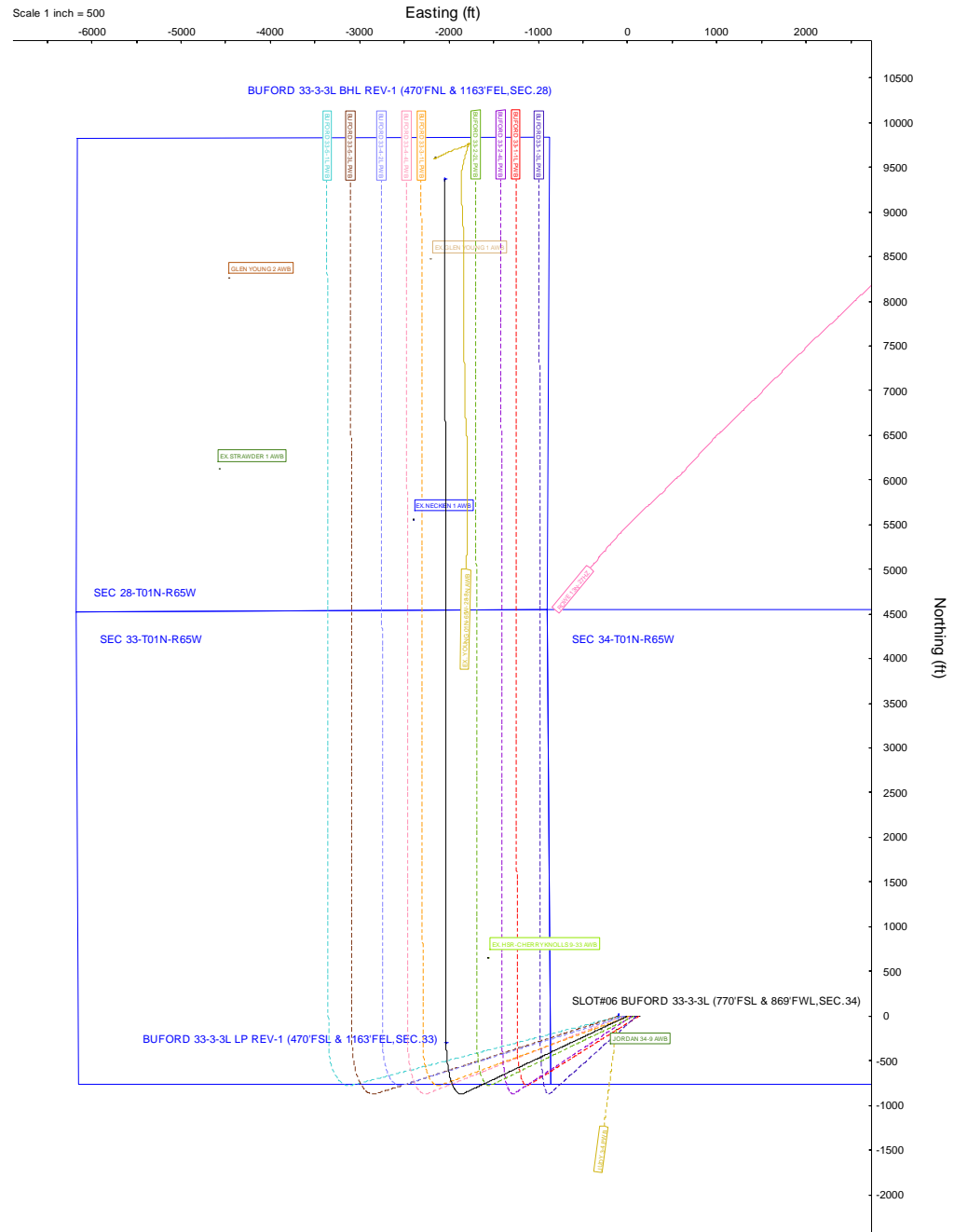
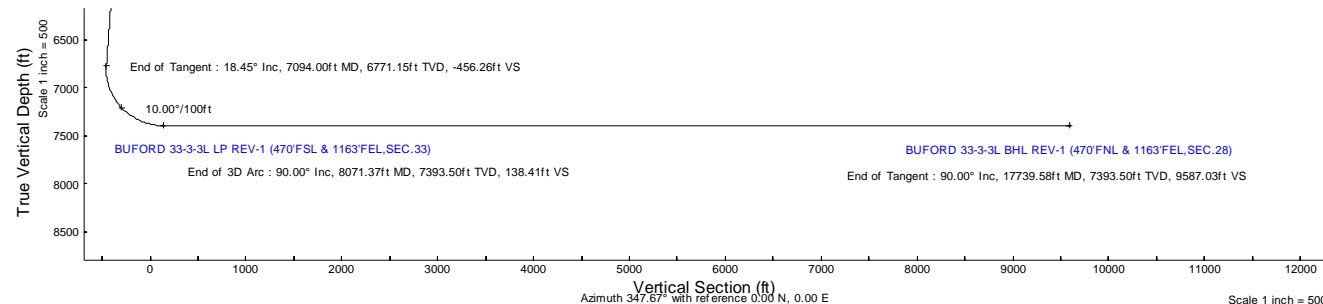
MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
20.50	0.000	244.729	20.50	0.00	0.00	3236310.78	1244939.80	40°00'9.5760"N	104°39'23.2200"W

## Bottom Hole Location

MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
17739.58	90.000	359.905	7393.50	9365.92	-2047.14	3234174.71	1254285.48	40°01'42.1320"N	104°39'49.5360"W

## Well Profile Data

Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	20.50	0.000	244.729	20.50	0.00	0.00	0.00	0.00
End of Tangent	200.00	0.000	244.729	200.00	0.00	0.00	0.00	0.00
End of Build	1122.57	18.451	244.729	1106.71	-62.87	-133.18	2.00	-32.98
End of Tangent	7094.00	18.451	244.729	6771.15	-869.70	-1842.27	0.00	-456.26
End of 3D Arc	8071.37	90.000	359.905	7393.50	-302.28	-2031.13	10.00	138.41
End of Tangent	17739.58	90.000	359.905	7393.50	9365.92	-2047.14	0.00	9587.03



# Planned Wellpath Report

BUFORD 33-3-3L (REV-A.0) PWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	CONFLUENCE RESOURCES	Well	BUFORD 33-3-3L
Field	WELD COUNTY (NAD83, TRUE NORTH)	API/Legal	
Facility	SEC.34-T01N-R65W	Wellbore	BUFORD 33-3-3L PWB
Slot	SLOT#06 BUFORD 33-3-3L (770'FSL & 869'FWL,SEC.34)		

REPORT SETUP INFORMATION			
Projection System	NAD83 / Lambert Colorado SP, Northern Zone (501), US feet	Software System	WellArchitect® 6.0
North Reference	True	User	Adamkat
Scale	0.999966	Report Generated	1/27/2020 at 12:44:29 PM
Convergence at slot	0.55° East	Database	Denver

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	149.36	126.07	3236310.78	1244939.80	40°00'9.5760"N	104°39'23.2200"W
Facility Reference Pt			3236186.14	1244789.26	40°00'8.1000"N	104°39'24.8400"W
Field Reference Pt			3230456.90	1245096.09	40°00'11.6640"N	104°40'38.4240"W

WELLPATH DATUM			
Calculation method	Minimum curvature	RIG (20.5') (RKB) to Facility Vertical Datum	5158.50ft
Horizontal Reference Pt	Slot	RIG (20.5') (RKB) to Mean Sea Level	5158.50ft
Vertical Reference Pt	RIG (20.5') (RKB)	RIG (20.5') (RKB) to Mud Line at Slot (SLOT#06 BUFORD 33-3-3L (770'FSL & 869'FWL,SEC.34))	5158.50ft
MD Reference Pt	RIG (20.5') (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	347.67°

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Field	WELD COUNTY (NAD83, TRUE NORTH)	API/Legal	
Facility	SEC.34-T01N-R65W	Wellbore	BUFORD 33-3-3L PWB
Slot	SLOT#06 BUFORD 33-3-3L (770'FSL & 869'FWL, SEC.34)		

WELLPATH DATA (184 stations) † = interpolated, ‡ = extrapolated station												
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
0.00†	0.000	244.729	0.00	0.00	0.00	0.00	3236310.78	1244939.80	40°00'9.5760"N	104°39'23.2200"W	0.00	
20.50	0.000	244.729	20.50	0.00	0.00	0.00	3236310.78	1244939.80	40°00'9.5760"N	104°39'23.2200"W	0.00	Tie On
120.50†	0.000	244.729	120.50	0.00	0.00	0.00	3236310.78	1244939.80	40°00'9.5760"N	104°39'23.2200"W	0.00	
200.00	0.000	244.729	200.00	0.00	0.00	0.00	3236310.78	1244939.80	40°00'9.5760"N	104°39'23.2200"W	0.00	End of Tangent
220.50†	0.410	244.729	220.50	-0.02	-0.03	-0.07	3236310.71	1244939.77	40°00'9.5757"N	104°39'23.2209"W	2.00	
320.50†	2.410	244.729	320.46	-0.57	-1.08	-2.29	3236308.50	1244938.70	40°00'9.5653"N	104°39'23.2494"W	2.00	
420.50†	4.410	244.729	420.28	-1.90	-3.62	-7.67	3236303.14	1244936.11	40°00'9.5402"N	104°39'23.3186"W	2.00	
520.50†	6.410	244.729	519.83	-4.01	-7.65	-16.20	3236294.66	1244932.00	40°00'9.5004"N	104°39'23.4281"W	2.00	
620.50†	8.410	244.729	618.99	-6.90	-13.15	-27.86	3236283.05	1244926.39	40°00'9.4460"N	104°39'23.5780"W	2.00	
720.50†	10.410	244.729	717.64	-10.56	-20.13	-42.64	3236268.33	1244919.27	40°00'9.3771"N	104°39'23.7680"W	2.00	
820.50†	12.410	244.729	815.66	-14.99	-28.58	-60.53	3236250.53	1244910.65	40°00'9.2936"N	104°39'23.9978"W	2.00	
920.50†	14.410	244.729	912.93	-20.18	-38.48	-81.50	3236229.65	1244900.55	40°00'9.1958"N	104°39'24.2673"W	2.00	
1020.50†	16.410	244.729	1009.33	-26.14	-49.82	-105.53	3236205.73	1244888.98	40°00'9.0837"N	104°39'24.5761"W	2.00	
1120.50†	18.410	244.729	1104.74	-32.84	-62.59	-132.59	3236178.80	1244875.95	40°00'8.9574"N	104°39'24.9237"W	2.00	
1122.57	18.451	244.729	1106.71	-32.98	-62.87	-133.18	3236178.21	1244875.67	40°00'8.9547"N	104°39'24.9314"W	2.00	End of Build
1220.50†	18.451	244.729	1199.60	-39.92	-76.10	-161.21	3236150.31	1244862.17	40°00'8.8239"N	104°39'25.2915"W	0.00	
1320.50†	18.451	244.729	1294.46	-47.01	-89.61	-189.83	3236121.82	1244848.39	40°00'8.6904"N	104°39'25.6593"W	0.00	
1420.50†	18.451	244.729	1389.32	-54.10	-103.13	-218.45	3236093.33	1244834.61	40°00'8.5569"N	104°39'26.0271"W	0.00	
1520.50†	18.451	244.729	1484.18	-61.19	-116.64	-247.07	3236064.84	1244820.82	40°00'8.4233"N	104°39'26.3949"W	0.00	
1620.50†	18.451	244.729	1579.04	-68.28	-130.15	-275.69	3236036.35	1244807.04	40°00'8.2898"N	104°39'26.7626"W	0.00	
1720.50†	18.451	244.729	1673.90	-75.37	-143.66	-304.31	3236007.86	1244793.26	40°00'8.1563"N	104°39'27.1304"W	0.00	
1820.50†	18.451	244.729	1768.76	-82.45	-157.17	-332.93	3235979.37	1244779.47	40°00'8.0228"N	104°39'27.4982"W	0.00	
1920.50†	18.451	244.729	1863.62	-89.54	-170.68	-361.55	3235950.88	1244765.69	40°00'7.8892"N	104°39'27.8660"W	0.00	
2020.50†	18.451	244.729	1958.48	-96.63	-184.20	-390.18	3235922.39	1244751.91	40°00'7.7557"N	104°39'28.2338"W	0.00	
2120.50†	18.451	244.729	2053.33	-103.72	-197.71	-418.80	3235893.90	1244738.13	40°00'7.6222"N	104°39'28.6016"W	0.00	
2220.50†	18.451	244.729	2148.19	-110.81	-211.22	-447.42	3235865.41	1244724.34	40°00'7.4886"N	104°39'28.9693"W	0.00	
2320.50†	18.451	244.729	2243.05	-117.90	-224.73	-476.04	3235836.92	1244710.56	40°00'7.3551"N	104°39'29.3371"W	0.00	
2420.50†	18.451	244.729	2337.91	-124.99	-238.24	-504.66	3235808.43	1244696.78	40°00'7.2216"N	104°39'29.7049"W	0.00	
2520.50†	18.451	244.729	2432.77	-132.07	-251.75	-533.28	3235779.94	1244683.00	40°00'7.0880"N	104°39'30.0727"W	0.00	
2620.50†	18.451	244.729	2527.63	-139.16	-265.26	-561.90	3235751.45	1244669.21	40°00'6.9545"N	104°39'30.4404"W	0.00	

# Planned Wellpath Report

BUFORD 33-3-3L (REV-A.0) PWP

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REFERENCE WELLPATH IDENTIFICATION			
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Field	WELD COUNTY (NAD83, TRUE NORTH)	API/Legal	
Facility	SEC.34-T01N-R65W	Wellbore	BUFORD 33-3-3L PWB
Slot	SLOT#06 BUFORD 33-3-3L (770'FSL & 869'FWL, SEC.34)		

WELLPATH DATA (184 stations) † = interpolated, ‡ = extrapolated station												
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
2720.50†	18.451	244.729	2622.49	-146.25	-278.78	-590.52	3235722.96	1244655.43	40°00'6.8210"N	104°39'30.8082"W	0.00	
2820.50†	18.451	244.729	2717.35	-153.34	-292.29	-619.14	3235694.47	1244641.65	40°00'6.6874"N	104°39'31.1760"W	0.00	
2920.50†	18.451	244.729	2812.21	-160.43	-305.80	-647.77	3235665.97	1244627.86	40°00'6.5539"N	104°39'31.5438"W	0.00	
3020.50†	18.451	244.729	2907.07	-167.52	-319.31	-676.39	3235637.48	1244614.08	40°00'6.4204"N	104°39'31.9116"W	0.00	
3120.50†	18.451	244.729	3001.93	-174.60	-332.82	-705.01	3235608.99	1244600.30	40°00'6.2868"N	104°39'32.2793"W	0.00	
3220.50†	18.451	244.729	3096.79	-181.69	-346.33	-733.63	3235580.50	1244586.52	40°00'6.1533"N	104°39'32.6471"W	0.00	
3320.50†	18.451	244.729	3191.64	-188.78	-359.85	-762.25	3235552.01	1244572.73	40°00'6.0198"N	104°39'33.0149"W	0.00	
3420.50†	18.451	244.729	3286.50	-195.87	-373.36	-790.87	3235523.52	1244558.95	40°00'5.8862"N	104°39'33.3827"W	0.00	
3520.50†	18.451	244.729	3381.36	-202.96	-386.87	-819.49	3235495.03	1244545.17	40°00'5.7527"N	104°39'33.7504"W	0.00	
3620.50†	18.451	244.729	3476.22	-210.05	-400.38	-848.11	3235466.54	1244531.39	40°00'5.6192"N	104°39'34.1182"W	0.00	
3720.50†	18.451	244.729	3571.08	-217.13	-413.89	-876.74	3235438.05	1244517.60	40°00'5.4856"N	104°39'34.4860"W	0.00	
3820.50†	18.451	244.729	3665.94	-224.22	-427.40	-905.36	3235409.56	1244503.82	40°00'5.3521"N	104°39'34.8538"W	0.00	
3920.50†	18.451	244.729	3760.80	-231.31	-440.91	-933.98	3235381.07	1244490.04	40°00'5.2186"N	104°39'35.2215"W	0.00	
4020.50†	18.451	244.729	3855.66	-238.40	-454.43	-962.60	3235352.58	1244476.25	40°00'5.0850"N	104°39'35.5893"W	0.00	
4120.50†	18.451	244.729	3950.52	-245.49	-467.94	-991.22	3235324.09	1244462.47	40°00'4.9515"N	104°39'35.9571"W	0.00	
4220.50†	18.451	244.729	4045.38	-252.58	-481.45	-1019.84	3235295.60	1244448.69	40°00'4.8180"N	104°39'36.3248"W	0.00	
4320.50†	18.451	244.729	4140.24	-259.66	-494.96	-1048.46	3235267.11	1244434.91	40°00'4.6844"N	104°39'36.6926"W	0.00	
4420.50†	18.451	244.729	4235.10	-266.75	-508.47	-1077.08	3235238.62	1244421.12	40°00'4.5509"N	104°39'37.0604"W	0.00	
4520.50†	18.451	244.729	4329.96	-273.84	-521.98	-1105.70	3235210.13	1244407.34	40°00'4.4173"N	104°39'37.4282"W	0.00	
4620.50†	18.451	244.729	4424.81	-280.93	-535.50	-1134.33	3235181.64	1244393.56	40°00'4.2838"N	104°39'37.7959"W	0.00	
4720.50†	18.451	244.729	4519.67	-288.02	-549.01	-1162.95	3235153.15	1244379.78	40°00'4.1503"N	104°39'38.1637"W	0.00	
4820.50†	18.451	244.729	4614.53	-295.11	-562.52	-1191.57	3235124.66	1244365.99	40°00'4.0167"N	104°39'38.5315"W	0.00	
4920.50†	18.451	244.729	4709.39	-302.19	-576.03	-1220.19	3235096.17	1244352.21	40°00'3.8832"N	104°39'38.8992"W	0.00	
5020.50†	18.451	244.729	4804.25	-309.28	-589.54	-1248.81	3235067.68	1244338.43	40°00'3.7496"N	104°39'39.2670"W	0.00	
5120.50†	18.451	244.729	4899.11	-316.37	-603.05	-1277.43	3235039.19	1244324.64	40°00'3.6161"N	104°39'39.6348"W	0.00	
5220.50†	18.451	244.729	4993.97	-323.46	-616.57	-1306.05	3235010.70	1244310.86	40°00'3.4826"N	104°39'40.0025"W	0.00	
5320.50†	18.451	244.729	5088.83	-330.55	-630.08	-1334.67	3234982.21	1244297.08	40°00'3.3490"N	104°39'40.3703"W	0.00	
5420.50†	18.451	244.729	5183.69	-337.64	-643.59	-1363.29	3234953.72	1244283.30	40°00'3.2155"N	104°39'40.7381"W	0.00	
5520.50†	18.451	244.729	5278.55	-344.73	-657.10	-1391.92	3234925.23	1244269.51	40°00'3.0819"N	104°39'41.1058"W	0.00	
5620.50†	18.451	244.729	5373.41	-351.81	-670.61	-1420.54	3234896.74	1244255.73	40°00'2.9484"N	104°39'41.4736"W	0.00	

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Field	WELD COUNTY (NAD83, TRUE NORTH)	API/Legal	
Facility	SEC.34-T01N-R65W	Wellbore	BUFORD 33-3-3L PWB
Slot	SLOT#06 BUFORD 33-3-3L (770'FSL & 869'FWL, SEC.34)		

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5720.50†	18.451	244.729	5468.27	-358.90	-684.12	-1449.16	3234868.25	1244241.95	40°00'2.8149"N	104°39'41.8414"W	0.00	
5820.50†	18.451	244.729	5563.12	-365.99	-697.63	-1477.78	3234839.76	1244228.17	40°00'2.6813"N	104°39'42.2091"W	0.00	
5920.50†	18.451	244.729	5657.98	-373.08	-711.15	-1506.40	3234811.27	1244214.38	40°00'2.5478"N	104°39'42.5769"W	0.00	
6020.50†	18.451	244.729	5752.84	-380.17	-724.66	-1535.02	3234782.78	1244200.60	40°00'2.4142"N	104°39'42.9447"W	0.00	
6120.50†	18.451	244.729	5847.70	-387.26	-738.17	-1563.64	3234754.28	1244186.82	40°00'2.2807"N	104°39'43.3124"W	0.00	
6220.50†	18.451	244.729	5942.56	-394.34	-751.68	-1592.26	3234725.79	1244173.03	40°00'2.1471"N	104°39'43.6802"W	0.00	
6320.50†	18.451	244.729	6037.42	-401.43	-765.19	-1620.89	3234697.30	1244159.25	40°00'2.0136"N	104°39'44.0480"W	0.00	
6420.50†	18.451	244.729	6132.28	-408.52	-778.70	-1649.51	3234668.81	1244145.47	40°00'1.8801"N	104°39'44.4157"W	0.00	
6520.50†	18.451	244.729	6227.14	-415.61	-792.22	-1678.13	3234640.32	1244131.69	40°00'1.7465"N	104°39'44.7835"W	0.00	
6620.50†	18.451	244.729	6322.00	-422.70	-805.73	-1706.75	3234611.83	1244117.90	40°00'1.6130"N	104°39'45.1512"W	0.00	
6720.50†	18.451	244.729	6416.86	-429.79	-819.24	-1735.37	3234583.34	1244104.12	40°00'1.4794"N	104°39'45.5190"W	0.00	
6820.50†	18.451	244.729	6511.72	-436.87	-832.75	-1763.99	3234554.85	1244090.34	40°00'1.3459"N	104°39'45.8868"W	0.00	
6920.50†	18.451	244.729	6606.58	-443.96	-846.26	-1792.61	3234526.36	1244076.56	40°00'1.2123"N	104°39'46.2545"W	0.00	
7020.50†	18.451	244.729	6701.43	-451.05	-859.77	-1821.23	3234497.87	1244062.77	40°00'1.0788"N	104°39'46.6223"W	0.00	
7094.00	18.451	244.729	6771.15	-456.26	-869.70	-1842.27	3234476.93	1244052.64	40°00'0.9806"N	104°39'46.8926"W	0.00	End of Tangent
7120.50†	17.534	252.787	6796.36	-457.54	-872.68	-1849.88	3234469.35	1244049.60	40°00'0.9513"N	104°39'46.9903"W	10.00	
7220.50†	17.486	286.465	6891.97	-451.57	-872.88	-1878.75	3234440.49	1244049.12	40°00'0.9493"N	104°39'47.3613"W	10.00	
7320.50†	22.322	312.559	6986.16	-428.74	-855.73	-1907.21	3234411.86	1244066.00	40°00'1.1187"N	104°39'47.7271"W	10.00	
7420.50†	29.746	328.008	7076.05	-389.75	-821.76	-1934.41	3234384.34	1244099.71	40°00'1.4544"N	104°39'48.0767"W	10.00	
7520.50†	38.278	337.407	7158.92	-335.77	-772.00	-1959.52	3234358.76	1244149.23	40°00'1.9461"N	104°39'48.3993"W	10.00	
7620.50†	47.316	343.736	7232.26	-268.45	-707.95	-1981.77	3234335.90	1244213.05	40°00'2.5790"N	104°39'48.6853"W	10.00	
7720.50†	56.613	348.426	7293.82	-189.84	-631.58	-2000.49	3234316.46	1244289.25	40°00'3.3338"N	104°39'48.9259"W	10.00	
7820.50†	66.053	352.198	7341.76	-102.32	-545.18	-2015.10	3234301.02	1244375.49	40°00'4.1875"N	104°39'49.1138"W	10.00	
7920.50†	75.571	355.449	7374.59	-8.55	-451.40	-2025.18	3234290.06	1244469.17	40°00'5.1143"N	104°39'49.2433"W	10.00	
8020.50†	85.130	358.431	7391.34	88.62	-353.08	-2030.40	3234283.91	1244567.43	40°00'6.0859"N	104°39'49.3105"W	10.00	
8071.37	90.000	359.905	7393.50	138.41	-302.28	-2031.13	3234282.69	1244618.23	40°00'6.5880"N	104°39'49.3200"W	10.00	End of 3D Arc
8120.50†	90.000	359.905	7393.50	186.42	-253.15	-2031.21	3234282.14	1244667.35	40°00'7.0735"N	104°39'49.3211"W	0.00	
8220.50†	90.000	359.905	7393.50	284.15	-153.15	-2031.38	3234281.02	1244767.34	40°00'8.0617"N	104°39'49.3233"W	0.00	
8320.50†	90.000	359.905	7393.50	381.88	-53.15	-2031.54	3234279.91	1244867.33	40°00'9.0499"N	104°39'49.3256"W	0.00	
8420.50†	90.000	359.905	7393.50	479.61	46.85	-2031.71	3234278.79	1244967.32	40°00'10.0382"N	104°39'49.3278"W	0.00	

# Planned Wellpath Report

BUFORD 33-3-3L (REV-A.0) PWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	CONFLUENCE RESOURCES	Well	BUFORD 33-3-3L
Field	WELD COUNTY (NAD83, TRUE NORTH)	API/Legal	
Facility	SEC.34-T01N-R65W	Wellbore	BUFORD 33-3-3L PWB
Slot	SLOT#06 BUFORD 33-3-3L (770'FSL & 869'FWL, SEC.34)		

WELLPATH DATA (184 stations) † = interpolated, ‡ = extrapolated station												
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
8520.50†	90.000	359.905	7393.50	577.33	146.85	-2031.88	3234277.67	1245067.31	40°00'11.0264°N	104°39'49.3300°W	0.00	
8620.50†	90.000	359.905	7393.50	675.06	246.85	-2032.04	3234276.55	1245167.30	40°00'12.0146°N	104°39'49.3323°W	0.00	
8720.50†	90.000	359.905	7393.50	772.79	346.85	-2032.21	3234275.44	1245267.29	40°00'13.0029°N	104°39'49.3345°W	0.00	
8820.50†	90.000	359.905	7393.50	870.52	446.85	-2032.37	3234274.32	1245367.28	40°00'13.9911°N	104°39'49.3367°W	0.00	
8920.50†	90.000	359.905	7393.50	968.25	546.85	-2032.54	3234273.20	1245467.27	40°00'14.9793°N	104°39'49.3390°W	0.00	
9020.50†	90.000	359.905	7393.50	1065.98	646.85	-2032.70	3234272.09	1245567.26	40°00'15.9675°N	104°39'49.3412°W	0.00	
9120.50†	90.000	359.905	7393.50	1163.71	746.85	-2032.87	3234270.97	1245667.25	40°00'16.9558°N	104°39'49.3434°W	0.00	
9220.50†	90.000	359.905	7393.50	1261.44	846.85	-2033.03	3234269.85	1245767.24	40°00'17.9440°N	104°39'49.3457°W	0.00	
9320.50†	90.000	359.905	7393.50	1359.17	946.85	-2033.20	3234268.74	1245867.23	40°00'18.9322°N	104°39'49.3479°W	0.00	
9420.50†	90.000	359.905	7393.50	1456.89	1046.85	-2033.37	3234267.62	1245967.22	40°00'19.9205°N	104°39'49.3501°W	0.00	
9520.50†	90.000	359.905	7393.50	1554.62	1146.85	-2033.53	3234266.50	1246067.21	40°00'20.9087°N	104°39'49.3524°W	0.00	
9620.50†	90.000	359.905	7393.50	1652.35	1246.85	-2033.70	3234265.39	1246167.20	40°00'21.8969°N	104°39'49.3546°W	0.00	
9720.50†	90.000	359.905	7393.50	1750.08	1346.85	-2033.86	3234264.27	1246267.19	40°00'22.8852°N	104°39'49.3568°W	0.00	
9820.50†	90.000	359.905	7393.50	1847.81	1446.85	-2034.03	3234263.15	1246367.18	40°00'23.8734°N	104°39'49.3591°W	0.00	
9920.50†	90.000	359.905	7393.50	1945.54	1546.85	-2034.19	3234262.04	1246467.17	40°00'24.8616°N	104°39'49.3613°W	0.00	
10020.50†	90.000	359.905	7393.50	2043.27	1646.85	-2034.36	3234260.92	1246567.16	40°00'25.8498°N	104°39'49.3635°W	0.00	
10120.50†	90.000	359.905	7393.50	2141.00	1746.85	-2034.53	3234259.80	1246667.15	40°00'26.8381°N	104°39'49.3658°W	0.00	
10220.50†	90.000	359.905	7393.50	2238.72	1846.85	-2034.69	3234258.69	1246767.14	40°00'27.8263°N	104°39'49.3680°W	0.00	
10320.50†	90.000	359.905	7393.50	2336.45	1946.85	-2034.86	3234257.57	1246867.13	40°00'28.8145°N	104°39'49.3702°W	0.00	
10420.50†	90.000	359.905	7393.50	2434.18	2046.85	-2035.02	3234256.45	1246967.12	40°00'29.8028°N	104°39'49.3725°W	0.00	
10520.50†	90.000	359.905	7393.50	2531.91	2146.85	-2035.19	3234255.33	1247067.11	40°00'30.7910°N	104°39'49.3747°W	0.00	
10620.50†	90.000	359.905	7393.50	2629.64	2246.85	-2035.35	3234254.22	1247167.10	40°00'31.7792°N	104°39'49.3769°W	0.00	
10720.50†	90.000	359.905	7393.50	2727.37	2346.85	-2035.52	3234253.10	1247267.09	40°00'32.7675°N	104°39'49.3792°W	0.00	
10820.50†	90.000	359.905	7393.50	2825.10	2446.85	-2035.68	3234251.98	1247367.09	40°00'33.7557°N	104°39'49.3814°W	0.00	
10920.50†	90.000	359.905	7393.50	2922.83	2546.85	-2035.85	3234250.87	1247467.08	40°00'34.7439°N	104°39'49.3836°W	0.00	
11020.50†	90.000	359.905	7393.50	3020.56	2646.85	-2036.02	3234249.75	1247567.07	40°00'35.7321°N	104°39'49.3859°W	0.00	
11120.50†	90.000	359.905	7393.50	3118.28	2746.85	-2036.18	3234248.63	1247667.06	40°00'36.7204°N	104°39'49.3881°W	0.00	
11220.50†	90.000	359.905	7393.50	3216.01	2846.85	-2036.35	3234247.52	1247767.05	40°00'37.7086°N	104°39'49.3903°W	0.00	
11320.50†	90.000	359.905	7393.50	3313.74	2946.85	-2036.51	3234246.40	1247867.04	40°00'38.6968°N	104°39'49.3926°W	0.00	
11420.50†	90.000	359.905	7393.50	3411.47	3046.85	-2036.68	3234245.28	1247967.03	40°00'39.6851°N	104°39'49.3948°W	0.00	

# Planned Wellpath Report

BUFORD 33-3-3L (REV-A.0) PWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	CONFLUENCE RESOURCES	Well	BUFORD 33-3-3L
Field	WELD COUNTY (NAD83, TRUE NORTH)	API/Legal	
Facility	SEC.34-T01N-R65W	Wellbore	BUFORD 33-3-3L PWB
Slot	SLOT#06 BUFORD 33-3-3L (770'FSL & 869'FWL, SEC.34)		

WELLPATH DATA (184 stations) † = interpolated, ‡ = extrapolated station												
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
11520.50†	90.000	359.905	7393.50	3509.20	3146.85	-2036.84	3234244.17	1248067.02	40°00'40.6733"N	104°39'49.3970"W	0.00	
11620.50†	90.000	359.905	7393.50	3606.93	3246.85	-2037.01	3234243.05	1248167.01	40°00'41.6615"N	104°39'49.3993"W	0.00	
11720.50†	90.000	359.905	7393.50	3704.66	3346.85	-2037.18	3234241.93	1248267.00	40°00'42.6498"N	104°39'49.4015"W	0.00	
11820.50†	90.000	359.905	7393.50	3802.39	3446.85	-2037.34	3234240.82	1248366.99	40°00'43.6380"N	104°39'49.4037"W	0.00	
11920.50†	90.000	359.905	7393.50	3900.11	3546.85	-2037.51	3234239.70	1248466.98	40°00'44.6262"N	104°39'49.4060"W	0.00	
12020.50†	90.000	359.905	7393.50	3997.84	3646.85	-2037.67	3234238.58	1248566.97	40°00'45.6144"N	104°39'49.4082"W	0.00	
12120.50†	90.000	359.905	7393.50	4095.57	3746.85	-2037.84	3234237.47	1248666.96	40°00'46.6027"N	104°39'49.4104"W	0.00	
12220.50†	90.000	359.905	7393.50	4193.30	3846.85	-2038.00	3234236.35	1248766.95	40°00'47.5909"N	104°39'49.4127"W	0.00	
12320.50†	90.000	359.905	7393.50	4291.03	3946.84	-2038.17	3234235.23	1248866.94	40°00'48.5791"N	104°39'49.4149"W	0.00	
12420.50†	90.000	359.905	7393.50	4388.76	4046.84	-2038.33	3234234.11	1248966.93	40°00'49.5674"N	104°39'49.4171"W	0.00	
12520.50†	90.000	359.905	7393.50	4486.49	4146.84	-2038.50	3234233.00	1249066.92	40°00'50.5556"N	104°39'49.4194"W	0.00	
12620.50†	90.000	359.905	7393.50	4584.22	4246.84	-2038.67	3234231.88	1249166.91	40°00'51.5438"N	104°39'49.4216"W	0.00	
12720.50†	90.000	359.905	7393.50	4681.95	4346.84	-2038.83	3234230.76	1249266.90	40°00'52.5320"N	104°39'49.4238"W	0.00	
12820.50†	90.000	359.905	7393.50	4779.67	4446.84	-2039.00	3234229.65	1249366.89	40°00'53.5203"N	104°39'49.4261"W	0.00	
12920.50†	90.000	359.905	7393.50	4877.40	4546.84	-2039.16	3234228.53	1249466.88	40°00'54.5085"N	104°39'49.4283"W	0.00	
13020.50†	90.000	359.905	7393.50	4975.13	4646.84	-2039.33	3234227.41	1249566.87	40°00'55.4967"N	104°39'49.4305"W	0.00	
13120.50†	90.000	359.905	7393.50	5072.86	4746.84	-2039.49	3234226.30	1249666.86	40°00'56.4850"N	104°39'49.4328"W	0.00	
13220.50†	90.000	359.905	7393.50	5170.59	4846.84	-2039.66	3234225.18	1249766.85	40°00'57.4732"N	104°39'49.4350"W	0.00	
13320.50†	90.000	359.905	7393.50	5268.32	4946.84	-2039.83	3234224.06	1249866.84	40°00'58.4614"N	104°39'49.4373"W	0.00	
13420.50†	90.000	359.905	7393.50	5366.05	5046.84	-2039.99	3234222.95	1249966.83	40°00'59.4496"N	104°39'49.4395"W	0.00	
13520.50†	90.000	359.905	7393.50	5463.78	5146.84	-2040.16	3234221.83	1250066.82	40°01'0.4379"N	104°39'49.4417"W	0.00	
13620.50†	90.000	359.905	7393.50	5561.50	5246.84	-2040.32	3234220.71	1250166.81	40°01'1.4261"N	104°39'49.4440"W	0.00	
13720.50†	90.000	359.905	7393.50	5659.23	5346.84	-2040.49	3234219.60	1250266.80	40°01'2.4143"N	104°39'49.4462"W	0.00	
13820.50†	90.000	359.905	7393.50	5756.96	5446.84	-2040.65	3234218.48	1250366.79	40°01'3.4026"N	104°39'49.4484"W	0.00	
13920.50†	90.000	359.905	7393.50	5854.69	5546.84	-2040.82	3234217.36	1250466.78	40°01'4.3908"N	104°39'49.4507"W	0.00	
14020.50†	90.000	359.905	7393.50	5952.42	5646.84	-2040.98	3234216.25	1250566.77	40°01'5.3790"N	104°39'49.4529"W	0.00	
14120.50†	90.000	359.905	7393.50	6050.15	5746.84	-2041.15	3234215.13	1250666.76	40°01'6.3672"N	104°39'49.4551"W	0.00	
14220.50†	90.000	359.905	7393.50	6147.88	5846.84	-2041.32	3234214.01	1250766.75	40°01'7.3555"N	104°39'49.4574"W	0.00	
14320.50†	90.000	359.905	7393.50	6245.61	5946.84	-2041.48	3234212.89	1250866.74	40°01'8.3437"N	104°39'49.4596"W	0.00	
14420.50†	90.000	359.905	7393.50	6343.34	6046.84	-2041.65	3234211.78	1250966.73	40°01'9.3319"N	104°39'49.4618"W	0.00	

# Planned Wellpath Report

BUFORD 33-3-3L (REV-A.0) PWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	CONFLUENCE RESOURCES	Well	BUFORD 33-3-3L
Field	WELD COUNTY (NAD83, TRUE NORTH)	API/Legal	
Facility	SEC.34-T01N-R65W	Wellbore	BUFORD 33-3-3L PWB
Slot	SLOT#06 BUFORD 33-3-3L (770'FSL & 869'FWL, SEC.34)		

WELLPATH DATA (184 stations) † = interpolated, ‡ = extrapolated station												
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
14520.50†	90.000	359.905	7393.50	6441.06	6146.84	-2041.81	3234210.66	1251066.72	40°01'10.3202°N	104°39'49.4641°W	0.00	
14620.50†	90.000	359.905	7393.50	6538.79	6246.84	-2041.98	3234209.54	1251166.71	40°01'11.3084°N	104°39'49.4663°W	0.00	
14720.50†	90.000	359.905	7393.50	6636.52	6346.84	-2042.14	3234208.43	1251266.70	40°01'12.2966°N	104°39'49.4685°W	0.00	
14820.50†	90.000	359.905	7393.50	6734.25	6446.84	-2042.31	3234207.31	1251366.69	40°01'13.2848°N	104°39'49.4708°W	0.00	
14920.50†	90.000	359.905	7393.50	6831.98	6546.84	-2042.48	3234206.19	1251466.68	40°01'14.2731°N	104°39'49.4730°W	0.00	
15020.50†	90.000	359.905	7393.50	6929.71	6646.84	-2042.64	3234205.08	1251566.67	40°01'15.2613°N	104°39'49.4752°W	0.00	
15120.50†	90.000	359.905	7393.50	7027.44	6746.84	-2042.81	3234203.96	1251666.66	40°01'16.2495°N	104°39'49.4775°W	0.00	
15220.50†	90.000	359.905	7393.50	7125.17	6846.84	-2042.97	3234202.84	1251766.65	40°01'17.2378°N	104°39'49.4797°W	0.00	
15320.50†	90.000	359.905	7393.50	7222.89	6946.84	-2043.14	3234201.73	1251866.64	40°01'18.2260°N	104°39'49.4819°W	0.00	
15420.50†	90.000	359.905	7393.50	7320.62	7046.84	-2043.30	3234200.61	1251966.63	40°01'19.2142°N	104°39'49.4842°W	0.00	
15520.50†	90.000	359.905	7393.50	7418.35	7146.84	-2043.47	3234199.49	1252066.62	40°01'20.2024°N	104°39'49.4864°W	0.00	
15620.50†	90.000	359.905	7393.50	7516.08	7246.84	-2043.63	3234198.38	1252166.61	40°01'21.1907°N	104°39'49.4886°W	0.00	
15720.50†	90.000	359.905	7393.50	7613.81	7346.84	-2043.80	3234197.26	1252266.60	40°01'22.1789°N	104°39'49.4909°W	0.00	
15820.50†	90.000	359.905	7393.50	7711.54	7446.84	-2043.97	3234196.14	1252366.59	40°01'23.1671°N	104°39'49.4931°W	0.00	
15920.50†	90.000	359.905	7393.50	7809.27	7546.84	-2044.13	3234195.03	1252466.58	40°01'24.1554°N	104°39'49.4953°W	0.00	
16020.50†	90.000	359.905	7393.50	7907.00	7646.84	-2044.30	3234193.91	1252566.57	40°01'25.1436°N	104°39'49.4976°W	0.00	
16120.50†	90.000	359.905	7393.50	8004.73	7746.84	-2044.46	3234192.79	1252666.56	40°01'26.1318°N	104°39'49.4998°W	0.00	
16220.50†	90.000	359.905	7393.50	8102.45	7846.84	-2044.63	3234191.67	1252766.55	40°01'27.1200°N	104°39'49.5021°W	0.00	
16320.50†	90.000	359.905	7393.50	8200.18	7946.84	-2044.79	3234190.56	1252866.54	40°01'28.1083°N	104°39'49.5043°W	0.00	
16420.50†	90.000	359.905	7393.50	8297.91	8046.84	-2044.96	3234189.44	1252966.54	40°01'29.0965°N	104°39'49.5065°W	0.00	
16520.50†	90.000	359.905	7393.50	8395.64	8146.84	-2045.13	3234188.32	1253066.53	40°01'30.0847°N	104°39'49.5088°W	0.00	
16620.50†	90.000	359.905	7393.50	8493.37	8246.84	-2045.29	3234187.21	1253166.52	40°01'31.0730°N	104°39'49.5110°W	0.00	
16720.50†	90.000	359.905	7393.50	8591.10	8346.84	-2045.46	3234186.09	1253266.51	40°01'32.0612°N	104°39'49.5132°W	0.00	
16820.50†	90.000	359.905	7393.50	8688.83	8446.84	-2045.62	3234184.97	1253366.50	40°01'33.0494°N	104°39'49.5155°W	0.00	
16920.50†	90.000	359.905	7393.50	8786.56	8546.84	-2045.79	3234183.86	1253466.49	40°01'34.0376°N	104°39'49.5177°W	0.00	
17020.50†	90.000	359.905	7393.50	8884.28	8646.84	-2045.95	3234182.74	1253566.48	40°01'35.0259°N	104°39'49.5199°W	0.00	
17120.50†	90.000	359.905	7393.50	8982.01	8746.84	-2046.12	3234181.62	1253666.47	40°01'36.0141°N	104°39'49.5222°W	0.00	
17220.50†	90.000	359.905	7393.50	9079.74	8846.84	-2046.28	3234180.51	1253766.46	40°01'37.0023°N	104°39'49.5244°W	0.00	
17320.50†	90.000	359.905	7393.50	9177.47	8946.84	-2046.45	3234179.39	1253866.45	40°01'37.9906°N	104°39'49.5266°W	0.00	
17420.50†	90.000	359.905	7393.50	9275.20	9046.84	-2046.62	3234178.27	1253966.44	40°01'38.9788°N	104°39'49.5289°W	0.00	



# Planned Wellpath Report

BUFORD 33-3-3L (REV-A.0) PWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	CONFLUENCE RESOURCES	Well	BUFORD 33-3-3L
Field	WELD COUNTY (NAD83, TRUE NORTH)	API/Legal	
Facility	SEC.34-T01N-R65W	Wellbore	BUFORD 33-3-3L PWB
Slot	SLOT#06 BUFORD 33-3-3L (770'FSL & 869'FWL, SEC.34)		

WELLPATH DATA (184 stations) † = interpolated, ‡ = extrapolated station												
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
17520.50†	90.000	359.905	7393.50	9372.93	9146.84	-2046.78	3234177.16	1254066.43	40°01'39.9670"N	104°39'49.5311"W	0.00	
17620.50†	90.000	359.905	7393.50	9470.66	9246.84	-2046.95	3234176.04	1254166.42	40°01'40.9552"N	104°39'49.5333"W	0.00	
17720.50†	90.000	359.905	7393.50	9568.39	9346.84	-2047.11	3234174.92	1254266.41	40°01'41.9435"N	104°39'49.5356"W	0.00	
17739.58	90.000	359.905	7393.50‡	9587.03	9365.92	-2047.14	3234174.71	1254285.48	40°01'42.1320"N	104°39'49.5360"W	0.00	End of Tangent

TARGETS									
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
SEC 28-T01N-R65W	N/A	2.00	0.00	-100.85	3236209.93	1244938.84	40°00'9.5760"N	104°39'24.5160"W	polygon
	2D Polygon: dimensions not calculated								
SEC 33-T01N-R65W	N/A	2.00	0.00	-100.85	3236209.93	1244938.84	40°00'9.5760"N	104°39'24.5160"W	polygon
	2D Polygon: dimensions not calculated								
SEC 34-T01N-R65W	N/A	2.00	0.00	-100.85	3236209.93	1244938.84	40°00'9.5760"N	104°39'24.5160"W	polygon
	2D Polygon: dimensions not calculated								
2) BUFORD 33-3-3L BHL REV-1 (470'FNL & 1163'FEL,SEC.28)	17739.58	7393.50	9365.92	-2047.14	3234174.71	1254285.48	40°01'42.1320"N	104°39'49.5360"W	point
1) BUFORD 33-3-3L LP REV-1 (470'FSL & 1163'FEL,SEC.33)	8071.37	7393.50	-302.28	-2031.13	3234282.69	1244618.23	40°00'6.5880"N	104°39'49.3200"W	point

# Planned Wellpath Report

BUFORD 33-3-3L (REV-A.0) PWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	CONFLUENCE RESOURCES	Well	BUFORD 33-3-3L
Field	WELD COUNTY (NAD83, TRUE NORTH)	API/Legal	
Facility	SEC.34-T01N-R65W	Wellbore	BUFORD 33-3-3L PWB
Slot	SLOT#06 BUFORD 33-3-3L (770'FSL & 869'FWL, SEC.34)		

SURVEY PROGRAM - Ref Wellbore: BUFORD 33-3-3L PWB Ref Wellpath: BUFORD 33-3-3L (REV-A.0) PWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
20.50	1500.00	BH NaviTrak (2019) (Standard)		BUFORD 33-3-3L PWB
1500.00	17761.45	BH AutoTrak Curve/eXpress (2019) (Standard)		BUFORD 33-3-3L PWB

# Planned Wellpath Report

BUFORD 33-3-3L (REV-A.0) PWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	CONFLUENCE RESOURCES	Well	BUFORD 33-3-3L
Field	WELD COUNTY (NAD83, TRUE NORTH)	API/Legal	
Facility	SEC.34-T01N-R65W	Wellbore	BUFORD 33-3-3L PWB
Slot	SLOT#06 BUFORD 33-3-3L (770'FSL & 869'FWL, SEC.34)		

DESIGN COMMENTS				
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
20.50	0.000	244.729	20.50	Tie On
200.00	0.000	244.729	200.00	End of Tangent
1122.57	18.451	244.729	1106.71	End of Build
7094.00	18.451	244.729	6771.15	End of Tangent
8071.37	90.000	359.905	7393.50	End of 3D Arc
17739.58	90.000	359.905	7393.50	End of Tangent