





Actual Wellpath Report

WETCO FARMS K21-4-9MRLNC AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#37 WETCO FARMS K21-4-9MRLNC (346'FNL & 252'FWL,SEC.04)
Area	COLORADO	Well	WETCO FARMS K21-4-9MRLNC
Field	WELD COUNTY	Wellbore	WETCO FARMS K21-4-9MRLNC AWB
Facility	SEC.04-T04N-R63W		

REPORT SETUP INFORMATION

Projection System	NAD83 / Lambert Colorado SP, Northern Zone (501), US feet	Software System	WellArchitect® 5.1
North Reference	True	User	Bushjamh
Scale	0.999958	Report Generated	1/24/2019 at 6:05:39 PM
Convergence at slot	0.68° East	Database/Source file	Denver/WETCO_FARMS_K21-4-9MRLNC_AWP.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-74.34	78.06	3292266.23	1371250.07	40°20'51.860"N	104°27'05.015"W
Facility Reference Pt			3292187.30	1371323.47	40°20'52.595"N	104°27'06.023"W
Field Reference Pt			3224525.77	1254425.87	40°01'44.400"N	104°41'53.556"W

WELLPATH DATUM

Calculation method	Minimum curvature	AKITA 520 (4570'GL+17'KB@4587') (RKB) to Facility Vertical Datum	4587.00ft
Horizontal Reference Pt	Slot	AKITA 520 (4570'GL+17'KB@4587') (RKB) to Mean Sea Level	4587.00ft
Vertical Reference Pt	AKITA 520 (4570'GL+17'KB@4587') (RKB)	AKITA 520 (4570'GL+17'KB@4587') (RKB) to Ground Level at Slot (SLOT#37 WETCO FARMS K21-4-9MRLNC (346'FNL & 252'FWL,SEC.04))	4587.00ft
MD Reference Pt	AKITA 520 (4570'GL+17'KB@4587') (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	163.84°

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WELLPATH DATA (153 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
0.00†	0.000	117.790	0.00	0.00	0.00	0.00	40°20'51.860"N	104°27'05.015"W	0.00	
17.00	0.000	117.790	17.00	0.00	0.00	0.00	40°20'51.860"N	104°27'05.015"W	0.00	
133.00	3.730	117.790	132.92	2.62	-1.76	3.34	40°20'51.843"N	104°27'04.972"W	3.22	
225.00	5.520	113.150	224.62	7.50	-4.89	10.06	40°20'51.812"N	104°27'04.885"W	1.99	
319.00	2.390	121.580	318.38	11.82	-7.70	15.88	40°20'51.784"N	104°27'04.810"W	3.38	
413.00	1.230	240.570	412.35	13.50	-9.22	16.68	40°20'51.769"N	104°27'04.799"W	3.38	
507.00	1.290	259.990	506.33	13.62	-9.90	14.75	40°20'51.763"N	104°27'04.824"W	0.46	
601.00	1.180	256.980	600.31	13.45	-10.30	12.77	40°20'51.759"N	104°27'04.850"W	0.14	
694.00	1.660	285.380	693.28	12.69	-10.16	10.54	40°20'51.760"N	104°27'04.879"W	0.90	
788.00	1.880	294.090	787.24	10.98	-9.17	7.82	40°20'51.770"N	104°27'04.914"W	0.37	
882.00	2.180	288.230	881.18	8.98	-7.98	4.71	40°20'51.782"N	104°27'04.954"W	0.39	
976.00	1.050	347.230	975.14	7.11	-6.58	2.82	40°20'51.795"N	104°27'04.978"W	1.99	
1069.00	0.900	357.550	1068.13	5.55	-5.02	2.60	40°20'51.811"N	104°27'04.981"W	0.25	
1163.00	1.650	353.030	1162.11	3.50	-2.94	2.41	40°20'51.831"N	104°27'04.984"W	0.80	
1257.00	1.230	355.150	1256.08	1.17	-0.59	2.16	40°20'51.855"N	104°27'04.987"W	0.45	
1351.00	1.540	17.730	1350.05	-0.87	1.62	2.46	40°20'51.876"N	104°27'04.983"W	0.66	
1412.00	1.310	21.660	1411.03	-2.10	3.04	2.96	40°20'51.890"N	104°27'04.977"W	0.41	
1506.00	1.440	23.630	1505.00	-3.86	5.12	3.83	40°20'51.911"N	104°27'04.965"W	0.15	
1556.00	1.420	28.630	1554.99	-4.78	6.24	4.38	40°20'51.922"N	104°27'04.958"W	0.25	
1644.00	1.310	19.560	1642.96	-6.37	8.15	5.24	40°20'51.941"N	104°27'04.947"W	0.28	
1675.00	1.580	51.490	1673.95	-6.82	8.75	5.70	40°20'51.947"N	104°27'04.941"W	2.70	
1768.00	4.400	84.200	1766.82	-6.66	9.91	10.25	40°20'51.958"N	104°27'04.882"W	3.43	
1862.00	6.420	85.280	1860.40	-4.97	10.71	19.07	40°20'51.966"N	104°27'04.768"W	2.15	
1955.00	8.440	79.060	1952.62	-3.32	12.43	30.96	40°20'51.983"N	104°27'04.615"W	2.33	
2047.00	8.750	76.280	2043.58	-2.41	15.37	44.39	40°20'52.012"N	104°27'04.442"W	0.56	
2141.00	9.620	72.840	2136.38	-2.24	19.38	58.84	40°20'52.052"N	104°27'04.255"W	1.09	
2234.00	10.880	75.480	2227.89	-2.13	23.88	74.76	40°20'52.096"N	104°27'04.049"W	1.45	
2327.00	13.010	75.560	2318.87	-1.56	28.69	93.40	40°20'52.144"N	104°27'03.809"W	2.29	
2420.00	14.860	77.220	2409.13	-0.55	33.94	115.16	40°20'52.196"N	104°27'03.527"W	2.03	
2514.00	17.220	79.710	2499.47	1.59	39.09	140.61	40°20'52.247"N	104°27'03.199"W	2.61	



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Area	COLORADO	Well	WETCO FARMS K21-4-9MRLNC
Field	WELD COUNTY	Wellbore	WETCO FARMS K21-4-9MRLNC AWB
Facility	SEC.04-T04N-R63W		

WELLPATH DATA (153 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
2700.00	24.800	89.200	2673.02	14.76	44.56	206.82	40°20'52.301"N	104°27'02.344"W	4.45	
2794.00	27.120	90.510	2757.53	26.13	44.65	247.97	40°20'52.302"N	104°27'01.812"W	2.54	
2887.00	26.900	86.330	2840.40	36.76	45.80	290.16	40°20'52.313"N	104°27'01.267"W	2.05	
2980.00	26.280	83.920	2923.56	44.91	49.33	331.63	40°20'52.348"N	104°27'00.732"W	1.34	
3073.00	25.780	83.800	3007.13	52.01	53.70	372.21	40°20'52.391"N	104°27'00.208"W	0.54	
3167.00	25.480	87.820	3091.89	60.43	56.67	412.74	40°20'52.420"N	104°26'59.684"W	1.88	
3261.00	26.930	91.290	3176.23	71.70	56.96	454.23	40°20'52.423"N	104°26'59.148"W	2.24	
3354.00	28.800	92.670	3258.44	85.24	55.45	497.66	40°20'52.408"N	104°26'58.587"W	2.13	
3447.00	29.090	88.890	3339.83	98.35	54.84	542.65	40°20'52.402"N	104°26'58.006"W	1.99	
3541.00	29.350	80.270	3421.91	106.86	59.18	588.22	40°20'52.445"N	104°26'57.418"W	4.48	
3634.00	29.940	73.040	3502.76	109.09	69.80	632.90	40°20'52.550"N	104°26'56.841"W	3.90	
3728.00	29.040	68.090	3584.59	106.48	85.16	676.51	40°20'52.702"N	104°26'56.277"W	2.76	
3822.00	28.950	68.990	3666.81	102.26	101.83	718.91	40°20'52.867"N	104°26'55.730"W	0.47	
3916.00	28.730	70.580	3749.15	99.06	117.50	761.46	40°20'53.021"N	104°26'55.180"W	0.85	
4009.00	28.940	73.440	3830.63	97.63	131.35	804.11	40°20'53.158"N	104°26'54.629"W	1.50	
4196.00	29.000	80.320	3994.27	102.43	151.87	892.19	40°20'53.361"N	104°26'53.492"W	1.78	
4290.00	28.830	80.140	4076.56	107.48	159.58	936.98	40°20'53.437"N	104°26'52.913"W	0.20	
4383.00	28.710	79.010	4158.08	111.96	167.68	981.00	40°20'53.517"N	104°26'52.345"W	0.60	
4475.00	27.300	80.580	4239.30	116.42	175.35	1023.50	40°20'53.593"N	104°26'51.796"W	1.73	
4568.00	26.360	87.850	4322.31	123.92	179.61	1065.19	40°20'53.635"N	104°26'51.257"W	3.67	
4661.00	29.520	94.920	4404.49	137.17	178.42	1108.67	40°20'53.623"N	104°26'50.696"W	4.92	
4755.00	30.060	89.940	4486.08	152.03	176.46	1155.29	40°20'53.604"N	104°26'50.094"W	2.69	
4848.00	30.030	84.670	4566.59	162.86	178.65	1201.76	40°20'53.625"N	104°26'49.493"W	2.84	
4941.00	30.200	76.310	4647.08	168.24	186.35	1247.68	40°20'53.702"N	104°26'48.900"W	4.51	
5033.00	29.820	69.390	4726.77	167.47	199.88	1291.59	40°20'53.835"N	104°26'48.333"W	3.78	
5126.00	29.670	71.110	4807.52	164.57	215.47	1335.01	40°20'53.989"N	104°26'47.772"W	0.93	
5220.00	26.500	76.340	4890.45	164.38	227.96	1377.42	40°20'54.113"N	104°26'47.225"W	4.27	
5311.00	25.750	81.880	4972.16	168.03	235.55	1416.72	40°20'54.188"N	104°26'46.717"W	2.80	
5404.00	30.010	83.840	5054.35	174.90	240.90	1459.86	40°20'54.240"N	104°26'46.160"W	4.68	
5498.00	31.120	87.140	5135.30	184.57	244.63	1507.50	40°20'54.277"N	104°26'45.545"W	2.14	



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Field	WELD COUNTY	Wellbore	WETCO FARMS K21-4-9MRLNC AWB
Facility	SEC.04-T04N-R63W		

WELLPATH DATA (153 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
5592.00	31.240	92.670	5215.73	198.02	244.71	1556.12	40°20'54.278"N	104°26'44.917"W	3.05	
5685.00	31.410	90.520	5295.18	212.76	243.37	1604.44	40°20'54.265"N	104°26'44.293"W	1.22	
5872.00	30.400	86.260	5455.65	236.93	246.01	1700.40	40°20'54.291"N	104°26'43.053"W	1.29	
5965.00	29.600	79.000	5536.21	244.05	251.93	1746.44	40°20'54.349"N	104°26'42.459"W	3.99	
6058.00	29.860	75.580	5616.98	246.82	262.08	1791.41	40°20'54.450"N	104°26'41.878"W	1.84	
6152.00	29.890	72.130	5698.49	246.83	275.10	1836.37	40°20'54.578"N	104°26'41.297"W	1.83	
6247.00	29.550	70.170	5781.00	244.63	290.31	1880.94	40°20'54.728"N	104°26'40.721"W	1.08	
6341.00	29.910	84.090	5862.72	247.31	300.60	1926.11	40°20'54.830"N	104°26'40.138"W	7.34	
6434.00	30.030	98.930	5943.40	261.33	299.37	1972.23	40°20'54.818"N	104°26'39.542"W	7.96	
6527.00	33.150	119.560	6022.84	289.49	283.16	2017.48	40°20'54.658"N	104°26'38.958"W	12.04	
6620.00	39.140	136.790	6098.10	333.99	249.10	2059.84	40°20'54.321"N	104°26'38.411"W	12.63	
6714.00	45.870	151.710	6167.54	393.61	197.58	2096.28	40°20'53.812"N	104°26'37.940"W	12.86	
6808.00	55.280	160.420	6227.24	465.40	131.26	2125.31	40°20'53.157"N	104°26'37.565"W	12.29	
6901.00	63.170	166.970	6274.82	545.18	54.64	2147.53	40°20'52.399"N	104°26'37.279"W	10.41	
6994.00	69.610	173.390	6312.09	629.75	-29.25	2161.93	40°20'51.570"N	104°26'37.093"W	9.37	
7079.00†	79.255	174.900	6334.87	710.21	-110.60	2170.24	40°20'50.766"N	104°26'36.985"W	11.47	TOP OF PRODUCTION (460'FNL & 2424'FWL,SEC.04)
7089.00	80.390	175.070	6336.64	719.87	-120.41	2171.10	40°20'50.670"N	104°26'36.974"W	11.47	
7182.00	87.820	177.320	6346.18	810.16	-212.64	2177.23	40°20'49.758"N	104°26'36.895"W	8.34	
7275.00	91.080	178.560	6347.08	900.34	-305.57	2180.57	40°20'48.840"N	104°26'36.852"W	3.75	
7368.00	91.050	176.660	6345.35	990.65	-398.46	2184.45	40°20'47.922"N	104°26'36.802"W	2.04	
7462.00	90.920	175.490	6343.73	1082.50	-492.23	2190.88	40°20'46.995"N	104°26'36.719"W	1.25	
7556.00	90.000	177.480	6342.98	1174.21	-586.04	2196.64	40°20'46.068"N	104°26'36.645"W	2.33	
7648.00	90.000	178.600	6342.98	1263.40	-677.99	2199.79	40°20'45.160"N	104°26'36.604"W	1.22	
7742.00	89.780	177.340	6343.16	1354.56	-771.93	2203.12	40°20'44.231"N	104°26'36.562"W	1.36	
7836.00	90.060	179.830	6343.29	1445.45	-865.89	2205.44	40°20'43.303"N	104°26'36.532"W	2.67	
7929.00	89.510	183.010	6343.64	1534.10	-958.85	2203.13	40°20'42.384"N	104°26'36.562"W	3.47	
8023.00	90.030	186.380	6344.02	1621.93	-1052.52	2195.44	40°20'41.459"N	104°26'36.661"W	3.63	
8117.00	90.030	185.570	6343.97	1709.00	-1146.01	2185.66	40°20'40.535"N	104°26'36.788"W	0.86	
8209.00	89.940	184.790	6343.99	1794.69	-1237.63	2177.35	40°20'39.630"N	104°26'36.895"W	0.85	
8303.00	89.910	184.200	6344.11	1882.65	-1331.34	2169.98	40°20'38.704"N	104°26'36.990"W	0.63	



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8396.00	89.940	183.210	6344.24	1970.12	-1424.15	2163.97	40°20'37.786"N	104°26'37.068"W	1.07	
8491.00	89.940	180.780	6344.34	2060.38	-1519.08	2160.67	40°20'36.848"N	104°26'37.111"W	2.56	
8585.00	90.250	176.500	6344.18	2151.24	-1613.03	2162.90	40°20'35.920"N	104°26'37.082"W	4.57	
8677.00	90.120	176.840	6343.88	2240.94	-1704.88	2168.24	40°20'35.012"N	104°26'37.013"W	0.40	
8771.00	90.180	182.840	6343.64	2331.26	-1798.83	2168.50	40°20'34.084"N	104°26'37.010"W	6.38	
8864.00	90.310	185.250	6343.24	2418.53	-1891.59	2161.94	40°20'33.167"N	104°26'37.095"W	2.60	
8956.00	90.280	183.870	6342.76	2504.58	-1983.30	2154.63	40°20'32.261"N	104°26'37.189"W	1.50	
9050.00	89.850	182.000	6342.66	2593.40	-2077.17	2149.82	40°20'31.333"N	104°26'37.251"W	2.04	
9144.00	90.000	179.970	6342.78	2683.22	-2171.15	2148.20	40°20'30.405"N	104°26'37.272"W	2.17	
9237.00	89.970	180.700	6342.81	2772.39	-2264.15	2147.66	40°20'29.486"N	104°26'37.280"W	0.79	
9331.00	89.880	181.570	6342.93	2862.14	-2358.13	2145.80	40°20'28.557"N	104°26'37.304"W	0.93	
9425.00	90.030	183.590	6343.00	2951.16	-2452.03	2141.56	40°20'27.629"N	104°26'37.358"W	2.15	
9517.00	90.280	184.240	6342.75	3037.57	-2543.81	2135.28	40°20'26.722"N	104°26'37.440"W	0.76	
9611.00	90.030	183.680	6342.50	3125.83	-2637.59	2128.79	40°20'25.796"N	104°26'37.524"W	0.65	
9704.00	90.030	181.590	6342.45	3213.87	-2730.49	2124.52	40°20'24.878"N	104°26'37.579"W	2.25	
9795.00	90.090	180.820	6342.35	3300.72	-2821.46	2122.60	40°20'23.979"N	104°26'37.604"W	0.85	
9888.00	89.850	179.680	6342.40	3389.93	-2914.46	2122.20	40°20'23.060"N	104°26'37.609"W	1.25	
9982.00	89.970	179.440	6342.55	3480.41	-3008.46	2122.92	40°20'22.131"N	104°26'37.600"W	0.29	
10076.00	89.880	175.450	6342.67	3571.76	-3102.35	2127.11	40°20'21.203"N	104°26'37.546"W	4.25	
10169.00	89.780	174.960	6342.95	3662.94	-3195.02	2134.88	40°20'20.287"N	104°26'37.446"W	0.54	
10263.00	89.970	176.990	6343.16	3754.83	-3288.78	2141.48	40°20'19.361"N	104°26'37.360"W	2.17	
10356.00	90.030	177.240	6343.16	3845.35	-3381.67	2146.16	40°20'18.443"N	104°26'37.300"W	0.28	
10448.00	90.060	175.760	6343.08	3935.11	-3473.49	2151.78	40°20'17.535"N	104°26'37.228"W	1.61	
10542.00	89.080	175.340	6343.79	4027.15	-3567.20	2159.07	40°20'16.609"N	104°26'37.134"W	1.13	
10636.00	89.020	178.080	6345.35	4118.76	-3661.03	2164.46	40°20'15.682"N	104°26'37.064"W	2.92	
10728.00	88.950	181.770	6346.98	4207.13	-3753.00	2164.58	40°20'14.773"N	104°26'37.063"W	4.01	
10822.00	89.970	185.070	6347.86	4295.68	-3846.81	2158.98	40°20'13.846"N	104°26'37.135"W	3.67	
10916.00	89.850	185.140	6348.01	4383.28	-3940.44	2150.61	40°20'12.921"N	104°26'37.243"W	0.15	
11009.00	89.910	181.480	6348.21	4470.95	-4033.27	2145.24	40°20'12.004"N	104°26'37.313"W	3.94	
11104.00	89.970	178.600	6348.31	4562.17	-4128.26	2145.18	40°20'11.065"N	104°26'37.314"W	3.03	



Actual Wellpath Report

WETCO FARMS K21-4-9MRLNC AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#37 WETCO FARMS K21-4-9MRLNC (346'FNL & 252'FWL,SEC.04)
Area	COLORADO	Well	WETCO FARMS K21-4-9MRLNC
Field	WELD COUNTY	Wellbore	WETCO FARMS K21-4-9MRLNC AWB
Facility	SEC.04-T04N-R63W		

WELLPATH DATA (153 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
11197.00	89.850	181.450	6348.45	4651.47	-4221.25	2145.14	40°20'10.146"N	104°26'37.314"W	3.07	
11290.00	89.940	182.780	6348.62	4739.78	-4314.18	2141.71	40°20'09.228"N	104°26'37.359"W	1.43	
11478.00	90.150	186.740	6348.47	4915.36	-4501.50	2126.11	40°20'07.377"N	104°26'37.560"W	2.11	
11572.00	90.000	183.830	6348.35	5002.84	-4595.09	2117.45	40°20'06.452"N	104°26'37.672"W	3.10	
11665.00	89.940	182.470	6348.40	5090.61	-4687.94	2112.34	40°20'05.534"N	104°26'37.738"W	1.46	
11758.00	88.980	183.400	6349.28	5178.48	-4780.81	2107.58	40°20'04.617"N	104°26'37.800"W	1.44	
11851.00	88.980	183.340	6350.93	5266.12	-4873.64	2102.11	40°20'03.699"N	104°26'37.871"W	0.06	
11946.00	88.950	181.500	6352.65	5356.15	-4968.54	2098.10	40°20'02.762"N	104°26'37.922"W	1.94	
12039.00	90.520	179.970	6353.08	5445.13	-5061.52	2096.91	40°20'01.843"N	104°26'37.938"W	2.36	
12133.00	90.120	177.240	6352.55	5536.02	-5155.48	2099.20	40°20'00.914"N	104°26'37.909"W	2.94	
12227.00	90.180	175.410	6352.31	5627.79	-5249.28	2105.22	40°19'59.987"N	104°26'37.831"W	1.95	
12322.00	89.750	175.370	6352.37	5720.87	-5343.98	2112.86	40°19'59.052"N	104°26'37.732"W	0.45	
12415.00	89.970	176.640	6352.59	5811.78	-5436.75	2119.34	40°19'58.135"N	104°26'37.649"W	1.39	
12508.00	89.020	177.390	6353.41	5902.32	-5529.62	2124.18	40°19'57.217"N	104°26'37.586"W	1.30	
12603.00	89.080	179.430	6354.99	5994.25	-5624.56	2126.81	40°19'56.279"N	104°26'37.552"W	2.15	
12697.00	89.170	179.910	6356.42	6084.68	-5718.55	2127.36	40°19'55.350"N	104°26'37.546"W	0.52	
12791.00	89.080	180.790	6357.86	6174.79	-5812.54	2126.78	40°19'54.422"N	104°26'37.553"W	0.94	
12884.00	90.000	180.820	6358.61	6263.74	-5905.52	2125.48	40°19'53.503"N	104°26'37.570"W	0.99	
12977.00	90.150	180.160	6358.48	6352.84	-5998.52	2124.68	40°19'52.584"N	104°26'37.580"W	0.73	
13070.00	89.880	180.230	6358.46	6442.08	-6091.52	2124.36	40°19'51.665"N	104°26'37.585"W	0.30	
13163.00	89.880	179.610	6358.65	6531.44	-6184.52	2124.49	40°19'50.746"N	104°26'37.583"W	0.67	
13256.00	89.820	179.050	6358.90	6621.06	-6277.51	2125.58	40°19'49.827"N	104°26'37.569"W	0.61	
13349.00	89.910	179.620	6359.12	6710.68	-6370.50	2126.66	40°19'48.908"N	104°26'37.555"W	0.62	
13443.00	90.000	179.870	6359.19	6801.08	-6464.50	2127.08	40°19'47.979"N	104°26'37.550"W	0.28	
13537.00	90.090	179.230	6359.12	6891.57	-6558.50	2127.82	40°19'47.050"N	104°26'37.541"W	0.69	
13630.00	90.180	180.720	6358.90	6980.91	-6651.50	2127.86	40°19'46.131"N	104°26'37.540"W	1.61	
13724.00	90.030	181.280	6358.73	7070.72	-6745.48	2126.22	40°19'45.202"N	104°26'37.561"W	0.62	
13817.00	90.180	181.430	6358.55	7159.41	-6838.46	2124.02	40°19'44.284"N	104°26'37.590"W	0.23	
13911.00	90.120	183.200	6358.31	7248.56	-6932.37	2120.22	40°19'43.356"N	104°26'37.639"W	1.88	
14004.00	90.030	183.010	6358.19	7336.36	-7025.24	2115.18	40°19'42.438"N	104°26'37.704"W	0.23	



Actual Wellpath Report

WETCO FARMS K21-4-9MRLNC AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#37 WETCO FARMS K21-4-9MRLNC (346'FNL & 252'FWL,SEC.04)
Area	COLORADO	Well	WETCO FARMS K21-4-9MRLNC
Field	WELD COUNTY	Wellbore	WETCO FARMS K21-4-9MRLNC AWB
Facility	SEC.04-T04N-R63W		

WELLPATH DATA (153 stations)										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
14098.00	90.090	182.570	6358.09	7425.26	-7119.13	2110.61	40°19'41.510"N	104°26'37.763"W	0.47	
14191.00	90.090	184.620	6357.94	7512.78	-7211.94	2104.78	40°19'40.593"N	104°26'37.839"W	2.20	
14219.00	90.090	184.620	6357.90	7538.96	-7239.85	2102.52	40°19'40.317"N	104°26'37.868"W	0.00	5-1/2",BOTTOM HOLE (2165'FNL & 2429'FWL,SEC.09)

HOLE & CASING SECTIONS - Ref Wellbore: WETCO FARMS K21-4-9MRLNC AWB Ref Wellpath: WETCO FARMS K21-4-9MRLNC 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]
9.625in Casing	17.00	1600.00	1583.00	17.00	1598.97	0.00	0.00	7.20	4.86



Actual Wellpath Report

WETCO FARMS K21-4-9MRLNC AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#37 WETCO FARMS K21-4-9MRLNC (346'FNL & 252'FWL, SEC.04)
Area	COLORADO	Well	WETCO FARMS K21-4-9MRLNC
Field	WELD COUNTY	Wellbore	WETCO FARMS K21-4-9MRLNC AWB
Facility	SEC.04-T04N-R63W		

TARGETS								
Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
WETCO FARMS K21-4-9MRLNC BHL (2156'FNL & 2410'FWL, SEC.09)	6372.00	-7227.05	2094.29	3294445.74	1364048.60	40°19'40.444"N	104°26'37.974"W	point
WETCO FARMS K21-4-9MRLNC LP (470'FNL & 2430'FWL, SEC.04)	6372.00	-124.05	2184.31	3294451.76	1371151.86	40°20'50.634"N	104°26'36.804"W	point
WETCO FARMS K21-4-9MRLNC LP REV-1 (615'FNL & 2430'FWL, SEC.04)	6372.00	-269.04	2184.31	3294453.48	1371006.88	40°20'49.201"N	104°26'36.804"W	point
WETCO FARMS K21-4-9MRLNC BHL REV-1 (2156'FNL & 2410'FWL, SEC.09)	6392.00	-7227.05	2094.29	3294445.74	1364048.60	40°19'40.444"N	104°26'37.974"W	point
WETCO FARMS K21-4-9MRLNC LP REV-2 (615'FNL & 2430'FWL, SEC.04)	6392.00	-269.04	2184.31	3294453.48	1371006.88	40°20'49.201"N	104°26'36.804"W	point
SEC.04/09-T04N-R63W (460'FNL SEC.04 & 460'FSL OF 1/2 SEC.09)	11999.00	-0.04	-79.69	3292186.55	1371249.08	40°20'51.860"N	104°27'06.044"W	polygon
SEC.04/09-T04N-R63W (WESTERN HALF SECTION)	11999.00	-0.04	-79.69	3292186.55	1371249.08	40°20'51.860"N	104°27'06.044"W	polygon
*SEC.04-T04N-R63W	12000.00	-99.72	4798.48	3297065.35	1371207.10	40°20'50.870"N	104°26'03.041"W	polygon
SEC.09-T04N-R63W	12000.00	-99.72	4798.48	3297065.35	1371207.10	40°20'50.870"N	104°26'03.041"W	polygon

WELLPATH COMPOSITION - Ref Wellbore: WETCO FARMS K21-4-9MRLNC AWB Ref Wellpath: WETCO FARMS K21-4-9MRLNC AWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
17.00	1556.00	BHI NaviTrak (Rotating+Axial Corr)	BHA NAVITRAK (ROTATING+AXIAL CORR) <133-1556>	WETCO FARMS K21-4-9MRLNC AWB
1556.00	14191.00	BHI AutoTrak Curve (Axial Corr, Short spacing)	BHI AUTOTRAK CURVE (AXIAL CORR, SHORT SPACING) <1644-14191>	WETCO FARMS K21-4-9MRLNC AWB
14191.00	14219.00	Blind Drilling (std)	Projection to bit	WETCO FARMS K21-4-9MRLNC AWB



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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#37 WETCO FARMS K21-4-9MRLNC (346'FNL & 252'FWL,SEC.04)
Area	COLORADO	Well	WETCO FARMS K21-4-9MRLNC
Field	WELD COUNTY	Wellbore	WETCO FARMS K21-4-9MRLNC AWB
Facility	SEC.04-T04N-R63W		

WELLPATH COMMENTS				
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
7079.00	79.255	174.900	6334.87	TOP OF PRODUCTION (460'FNL & 2424'FWL,SEC.04)
14219.00	90.090	184.620	6357.90	5-1/2",BOTTOM HOLE (2165'FNL & 2429'FWL,SEC.09)