



Actual Wellpath Report

NELSON 35-3HZ AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	KERR-MCGEE OIL & GAS ONSHORE LP (WA)	Well	NELSON 35-3HZ
Field	WELD COUNTY (UTM/TRUE NORTH)	API	0512351254
Facility	SEC.35-T2N-R68W	Wellbore	NELSON 35-3HZ AWB
Slot	SLOT#52 NELSON 35-3HZ (336'FNL & 2114'FWL,SEC.35)		

REPORT SETUP INFORMATION

Projection System	NAD83 / UTM Zone 13 North, US feet	Software System	WellArchitect® 6.0
North Reference	True	User	Painsetr
Scale	0.999600	Report Generated	3/12/2021 at 9:24:10 AM
Convergence at slot	0.02° East	Database	WellArchitectDB

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	3407.60	466.06	1648153.09	14563642.09	40°06'4.8744"N	104°58'20.4024"W
Facility Reference Pt			1647688.21	14560235.72	40°05'31.2000"N	104°58'26.4000"W
Field Reference Pt			1698235.31	14552047.82	40°04'9.6000"N	104°47'36.0000"W

WELLPATH DATUM

Calculation method	Minimum curvature	PD 461(20') (RT) to Facility Vertical Datum	4975.00ft
Horizontal Reference Pt	Slot	PD 461(20') (RT) to Mean Sea Level	4975.00ft
Vertical Reference Pt	PD 461(20') (RT)	PD 461(20') (RT) to Mud Line at Slot (SLOT#52 NELSON 35-3HZ (336'FNL & 2114'FWL,SEC.35))	4975.00ft
MD Reference Pt	PD 461(20') (RT)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	180.02°



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Field	WELD COUNTY (UTM/TRUE NORTH)	API	0512351254
Facility	SEC.35-T2N-R68W	Wellbore	NELSON 35-3HZ AWB
Slot	SLOT#52 NELSON 35-3HZ (336'FNL & 2114'FWL,SEC.35)		

WELLPATH DATA (223 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†	0.00	66.800	0.00	0.00	0.00	0.00	1648153.09	14563642.09	40°06'4.8744"N	104°58'20.4024"W	0.00	
20.00	0.00	66.800	20.00	0.00	0.00	0.00	1648153.09	14563642.09	40°06'4.8744"N	104°58'20.4024"W	0.00	
95.00	0.930	66.800	95.00	-0.24	0.24	0.56	1648153.65	14563642.33	40°06'4.8768"N	104°58'20.3952"W	1.24	FIRST SURFACE MWD+IFR1 SURVEY
183.00	0.780	100.020	182.99	-0.42	0.42	1.81	1648154.89	14563642.51	40°06'4.8785"N	104°58'20.3792"W	0.58	
265.00	0.570	0.990	264.98	-0.73	0.73	2.36	1648155.45	14563642.82	40°06'4.8816"N	104°58'20.3720"W	1.26	
357.00	1.040	334.200	356.97	-1.94	1.94	2.01	1648155.09	14563644.03	40°06'4.8935"N	104°58'20.3766"W	0.64	
447.00	2.260	315.920	446.94	-3.95	3.95	0.42	1648153.50	14563646.03	40°06'4.9134"N	104°58'20.3970"W	1.46	
537.00	2.770	317.600	536.85	-6.83	6.83	-2.28	1648150.80	14563648.91	40°06'4.9419"N	104°58'20.4318"W	0.57	
626.00	4.000	317.430	625.69	-10.70	10.70	-5.83	1648147.25	14563652.78	40°06'4.9802"N	104°58'20.4775"W	1.38	
716.00	5.240	317.900	715.40	-16.06	16.06	-10.71	1648142.37	14563658.14	40°06'5.0331"N	104°58'20.5403"W	1.38	
806.00	7.000	305.180	804.89	-22.27	22.27	-17.95	1648135.14	14563664.35	40°06'5.0945"N	104°58'20.6334"W	2.46	
896.00	9.840	303.510	893.91	-29.67	29.68	-28.85	1648124.24	14563671.75	40°06'5.1677"N	104°58'20.7736"W	3.17	
986.00	11.520	308.610	982.35	-39.52	39.53	-42.28	1648110.81	14563681.59	40°06'5.2651"N	104°58'20.9465"W	2.14	
1076.00	12.690	314.790	1070.35	-52.09	52.11	-56.32	1648096.77	14563694.16	40°06'5.3893"N	104°58'21.1272"W	1.94	
1166.00	14.080	316.110	1157.90	-66.94	66.96	-70.93	1648082.17	14563709.00	40°06'5.5361"N	104°58'21.3152"W	1.58	
1256.00	15.930	316.880	1244.83	-83.84	83.87	-86.96	1648066.13	14563725.90	40°06'5.7032"N	104°58'21.5215"W	2.07	
1346.00	15.580	315.300	1331.45	-101.44	101.48	-103.91	1648049.19	14563743.49	40°06'5.8772"N	104°58'21.7395"W	0.62	
1435.00	17.020	313.090	1416.87	-118.83	118.87	-121.83	1648031.27	14563760.87	40°06'6.0491"N	104°58'21.9702"W	1.76	
1525.00	16.820	313.780	1502.97	-136.83	136.88	-140.85	1648012.26	14563778.87	40°06'6.2270"N	104°58'22.2149"W	0.31	
1615.00	18.840	314.460	1588.65	-156.01	156.07	-160.62	1647992.48	14563798.04	40°06'6.4167"N	104°58'22.4694"W	2.26	
1705.00	17.850	315.080	1674.07	-175.95	176.01	-180.74	1647972.37	14563817.97	40°06'6.6138"N	104°58'22.7282"W	1.12	
1795.00	19.540	315.930	1759.32	-196.52	196.60	-200.95	1647952.16	14563838.54	40°06'6.8172"N	104°58'22.9883"W	1.90	
1860.00	20.640	316.350	1820.36	-212.62	212.70	-216.41	1647936.70	14563854.63	40°06'6.9763"N	104°58'23.1874"W	1.71	LAST SURFACE MWD+IFR1 SURVEY
1938.00	19.580	315.780	1893.61	-231.92	232.01	-235.02	1647918.09	14563873.93	40°06'7.1671"N	104°58'23.4268"W	1.38	FIRST BH MWD+IFR1+SC SURVEY
2031.00	21.120	315.090	1980.80	-254.95	255.05	-257.72	1647895.40	14563896.95	40°06'7.3948"N	104°58'23.7189"W	1.68	
2123.00	20.690	316.070	2066.74	-278.39	278.49	-280.69	1647872.42	14563920.38	40°06'7.6265"N	104°58'24.0146"W	0.60	
2215.00	21.240	313.050	2152.66	-301.46	301.57	-304.15	1647848.97	14563943.44	40°06'7.8545"N	104°58'24.3164"W	1.32	
2307.00	20.780	313.860	2238.54	-324.13	324.25	-328.09	1647825.03	14563966.11	40°06'8.0787"N	104°58'24.6246"W	0.59	
2317.00†	20.613	313.799	2247.89	-326.58	326.70	-330.64	1647822.48	14563968.56	40°06'8.1029"N	104°58'24.6574"W	1.69	ENTER LANDBOX (10'FNL & 1782'FWL,SEC.35) 40.1022508 -104.9735159
2399.00	19.240	313.260	2324.98	-345.82	345.95	-350.90	1647802.22	14563987.79	40°06'8.2931"N	104°58'24.9181"W	1.69	



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Slot	SLOT#52 NELSON 35-3HZ (336°FNL & 2114°FWL,SEC.35)		

WELLPATH DATA (223 stations)

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
2492.00	20.480	313.490	2412.45	-367.51	367.65	-373.86	1647779.26	14564009.48	40°06'8.5076"N	104°58'25.2136"W	1.34	
2584.00	20.830	314.730	2498.54	-390.09	390.24	-397.16	1647755.97	14564032.05	40°06'8.7308"N	104°58'25.5134"W	0.61	
2677.00	20.410	317.180	2585.58	-413.62	413.77	-419.93	1647733.20	14564055.56	40°06'8.9633"N	104°58'25.8065"W	1.03	
2769.00	21.540	313.840	2671.49	-437.08	437.24	-443.02	1647710.11	14564079.01	40°06'9.1952"N	104°58'26.1036"W	1.79	
2861.00	21.340	314.550	2757.12	-460.51	460.68	-467.13	1647686.00	14564102.44	40°06'9.4269"N	104°58'26.4139"W	0.36	
3046.00	20.640	318.090	2929.85	-508.37	508.56	-512.90	1647640.24	14564150.29	40°06'9.9000"N	104°58'27.0029"W	0.78	
3139.00	20.070	318.760	3017.04	-532.56	532.76	-534.37	1647618.77	14564174.47	40°06'10.1391"N	104°58'27.2792"W	0.66	
3233.00	22.210	317.960	3104.71	-557.88	558.08	-556.90	1647596.24	14564199.78	40°06'10.3894"N	104°58'27.5691"W	2.30	
3327.00	22.450	319.480	3191.66	-584.71	584.92	-580.46	1647572.68	14564226.60	40°06'10.6546"N	104°58'27.8723"W	0.67	
3419.00	21.510	309.910	3277.00	-608.88	609.11	-604.82	1647548.33	14564250.76	40°06'10.8936"N	104°58'28.1858"W	4.02	
3513.00	19.660	310.930	3365.00	-630.29	630.52	-629.98	1647523.16	14564272.16	40°06'11.1053"N	104°58'28.5097"W	2.00	
3606.00	20.110	315.450	3452.46	-651.93	652.17	-653.02	1647500.13	14564293.79	40°06'11.3191"N	104°58'28.8062"W	1.72	
3700.00	21.750	309.460	3540.26	-674.51	674.76	-677.81	1647475.34	14564316.36	40°06'11.5424"N	104°58'29.1252"W	2.87	
3793.00	21.440	309.500	3626.73	-696.26	696.52	-704.23	1647448.93	14564338.11	40°06'11.7574"N	104°58'29.4651"W	0.33	
3885.00	20.190	309.220	3712.73	-716.99	717.25	-729.50	1647423.66	14564358.83	40°06'11.9623"N	104°58'29.7904"W	1.36	
3979.00	20.290	309.120	3800.92	-737.52	737.79	-754.71	1647398.45	14564379.35	40°06'12.1653"N	104°58'30.1149"W	0.11	
4074.00	19.340	310.050	3890.30	-758.02	758.31	-779.54	1647373.63	14564399.85	40°06'12.3680"N	104°58'30.4343"W	1.05	
4167.00	21.060	312.700	3977.58	-779.26	779.55	-803.61	1647349.56	14564421.08	40°06'12.5779"N	104°58'30.7441"W	2.09	
4259.00	21.140	311.070	4063.41	-801.36	801.66	-828.26	1647324.91	14564443.17	40°06'12.7964"N	104°58'31.0614"W	0.64	
4351.00	21.560	310.140	4149.10	-823.14	823.46	-853.69	1647299.48	14564464.95	40°06'13.0118"N	104°58'31.3887"W	0.59	
4445.00	20.010	311.860	4236.98	-845.00	845.33	-878.88	1647274.30	14564486.80	40°06'13.2279"N	104°58'31.7128"W	1.77	
4539.00	18.500	314.960	4325.72	-866.27	866.60	-901.41	1647251.77	14564508.06	40°06'13.4381"N	104°58'32.0027"W	1.94	
4631.00	18.350	314.500	4413.00	-886.72	887.06	-922.07	1647231.12	14564528.51	40°06'13.6403"N	104°58'32.2686"W	0.23	
4724.00	18.250	315.100	4501.30	-907.29	907.64	-942.79	1647210.40	14564549.07	40°06'13.8436"N	104°58'32.5353"W	0.23	
4816.00	16.040	314.660	4589.20	-926.43	926.78	-962.00	1647191.19	14564568.19	40°06'14.0328"N	104°58'32.7825"W	2.41	
4909.00	13.650	312.470	4679.09	-942.86	943.22	-979.23	1647173.96	14564584.63	40°06'14.1953"N	104°58'33.0043"W	2.64	
5002.00	11.110	314.030	4769.92	-956.50	956.86	-993.77	1647159.42	14564598.26	40°06'14.3300"N	104°58'33.1914"W	2.75	
5095.00	7.720	310.210	4861.66	-966.76	967.12	-1004.99	1647148.20	14564608.51	40°06'14.4315"N	104°58'33.3358"W	3.70	
5188.00	6.250	309.220	4953.97	-973.99	974.36	-1013.68	1647139.51	14564615.74	40°06'14.5029"N	104°58'33.4476"W	1.59	
5282.00	3.350	314.050	5047.63	-979.13	979.50	-1019.62	1647133.57	14564620.88	40°06'14.5538"N	104°58'33.5241"W	3.11	



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Facility	SEC.35-T2N-R68W	Wellbore	NELSON 35-3HZ AWB
Slot	SLOT#52 NELSON 35-3HZ (336°FNL & 2114°FWL, SEC.35)		

WELLPATH DATA (223 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
5376.00	4.370	317.020	5141.41	-983.66	984.03	-1024.04	1647129.16	14564625.41	40°06'14.5986"N	104°58'33.5809"W	1.11	
5470.00	2.660	318.910	5235.23	-987.92	988.30	-1027.91	1647125.28	14564629.67	40°06'14.6407"N	104°58'33.6308"W	1.82	
5562.00	0.150	124.670	5327.20	-989.46	989.84	-1029.22	1647123.98	14564631.21	40°06'14.6559"N	104°58'33.6476"W	3.05	
5656.00	0.110	35.870	5421.20	-989.46	989.84	-1029.06	1647124.13	14564631.21	40°06'14.6559"N	104°58'33.6456"W	0.20	
5749.00	0.130	96.890	5514.20	-989.52	989.90	-1028.90	1647124.29	14564631.27	40°06'14.6565"N	104°58'33.6436"W	0.13	
5844.00	0.030	323.640	5609.20	-989.53	989.91	-1028.81	1647124.38	14564631.28	40°06'14.6566"N	104°58'33.6424"W	0.16	
5938.00	0.060	90.030	5703.20	-989.55	989.93	-1028.78	1647124.42	14564631.30	40°06'14.6568"N	104°58'33.6419"W	0.09	
6031.00	0.140	51.390	5796.20	-989.62	990.00	-1028.64	1647124.55	14564631.37	40°06'14.6575"N	104°58'33.6402"W	0.11	
6124.00	0.150	269.200	5889.20	-989.69	990.07	-1028.67	1647124.52	14564631.44	40°06'14.6582"N	104°58'33.6406"W	0.30	
6217.00	0.400	0.380	5982.20	-990.01	990.39	-1028.79	1647124.40	14564631.76	40°06'14.6614"N	104°58'33.6421"W	0.46	
6310.00	0.060	170.570	6075.20	-990.29	990.67	-1028.78	1647124.41	14564632.04	40°06'14.6641"N	104°58'33.6420"W	0.49	
6403.00	0.000	98.100	6168.20	-990.24	990.62	-1028.77	1647124.42	14564631.99	40°06'14.6636"N	104°58'33.6419"W	0.06	
6496.00	0.060	69.850	6261.20	-990.26	990.64	-1028.73	1647124.47	14564632.01	40°06'14.6638"N	104°58'33.6413"W	0.06	
6590.00	0.110	99.070	6355.20	-990.26	990.64	-1028.59	1647124.60	14564632.01	40°06'14.6638"N	104°58'33.6396"W	0.07	
6684.00	0.090	41.520	6449.20	-990.30	990.68	-1028.46	1647124.74	14564632.05	40°06'14.6642"N	104°58'33.6378"W	0.10	
6778.00	0.040	89.320	6543.20	-990.36	990.74	-1028.37	1647124.82	14564632.11	40°06'14.6648"N	104°58'33.6367"W	0.07	
6871.00	0.110	54.450	6636.20	-990.41	990.79	-1028.27	1647124.93	14564632.16	40°06'14.6653"N	104°58'33.6354"W	0.09	
6964.00	0.120	81.960	6729.20	-990.48	990.85	-1028.10	1647125.09	14564632.22	40°06'14.6659"N	104°58'33.6332"W	0.06	
7057.00	0.090	19.680	6822.20	-990.56	990.94	-1027.98	1647125.22	14564632.31	40°06'14.6668"N	104°58'33.6317"W	0.12	
7142.00†	1.149	184.468	6907.19	-989.77	990.15	-1028.02	1647125.17	14564631.52	40°06'14.6590"N	104°58'33.6322"W	1.45	KOP
7151.00	1.280	184.580	6916.19	-989.58	989.96	-1028.04	1647125.16	14564631.33	40°06'14.6571"N	104°58'33.6324"W	1.45	
7244.00	9.870	180.180	7008.67	-980.56	980.94	-1028.15	1647125.05	14564622.31	40°06'14.5679"N	104°58'33.6338"W	9.24	
7337.00	16.770	179.940	7099.11	-959.15	959.52	-1028.16	1647125.05	14564600.91	40°06'14.3563"N	104°58'33.6339"W	7.42	
7430.00	24.070	181.750	7186.21	-926.73	927.11	-1028.72	1647124.49	14564568.50	40°06'14.0360"N	104°58'33.6412"W	7.88	
7524.00	31.260	183.000	7269.41	-883.15	883.53	-1030.59	1647122.64	14564524.94	40°06'13.6054"N	104°58'33.6652"W	7.67	
7618.00	38.100	183.300	7346.66	-829.78	830.16	-1033.54	1647119.71	14564471.59	40°06'13.0779"N	104°58'33.7031"W	7.28	
7711.00	45.890	179.700	7415.74	-767.64	768.02	-1035.02	1647118.25	14564409.48	40°06'12.4639"N	104°58'33.7221"W	8.76	
7804.00	52.220	178.950	7476.65	-697.44	697.82	-1034.17	1647119.12	14564339.31	40°06'11.7701"N	104°58'33.7111"W	6.83	
7898.00	60.780	180.790	7528.49	-619.13	619.51	-1034.05	1647119.26	14564261.03	40°06'10.9963"N	104°58'33.7096"W	9.25	
7991.00	68.000	180.090	7568.66	-535.33	535.71	-1034.68	1647118.66	14564177.26	40°06'10.1681"N	104°58'33.7176"W	7.79	



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Slot	SLOT#52 NELSON 35-3HZ (336'FNL & 2114'FWL,SEC.35)		

WELLPATH DATA (223 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
8085.00	74.990	180.460	7598.48	-446.24	446.62	-1035.11	1647118.25	14564088.21	40°06'9.2878"N	104°58'33.7232"W	7.45	
8180.00	86.830	180.570	7613.46	-352.61	352.99	-1035.96	1647117.44	14563994.61	40°06'8.3625"N	104°58'33.7340"W	12.46	
8210.00†	87.509	180.434	7614.94	-322.65	323.03	-1036.22	1647117.19	14563964.66	40°06'8.0664"N	104°58'33.7373"W	2.31	LANDING (13'FNL & 1078'FWL,SEC.35) 40.1022407 -104.9760381
8275.00	88.980	180.140	7616.93	-257.68	258.06	-1036.54	1647116.88	14563899.72	40°06'7.4244"N	104°58'33.7415"W	2.31	
8369.00	88.830	180.410	7618.73	-163.70	164.08	-1036.99	1647116.46	14563805.78	40°06'6.4956"N	104°58'33.7472"W	0.33	
8463.00	88.950	180.720	7620.55	-69.72	70.10	-1037.92	1647115.56	14563711.84	40°06'5.5669"N	104°58'33.7591"W	0.35	
8557.00	88.950	180.420	7622.27	24.26	-23.88	-1038.86	1647114.66	14563617.90	40°06'4.6382"N	104°58'33.7711"W	0.32	
8585.00†	88.932	180.327	7622.79	52.26	-51.87	-1039.04	1647114.48	14563589.91	40°06'4.3616"N	104°58'33.7734"W	0.34	EXIT RADIUS HEEL (388'FNL & 1074'FWL,SEC.35) 40.1012115 -104.9760482
8650.00	88.890	180.110	7624.02	117.24	-116.86	-1039.29	1647114.26	14563524.95	40°06'3.7193"N	104°58'33.7766"W	0.34	
8743.00	90.180	181.540	7624.78	210.23	-209.85	-1040.63	1647112.95	14563432.00	40°06'2.8005"N	104°58'33.7938"W	2.07	
8836.00	89.910	181.300	7624.71	303.20	-302.82	-1042.93	1647110.67	14563339.07	40°06'1.8817"N	104°58'33.8234"W	0.39	
8929.00	90.060	181.580	7624.73	396.17	-395.79	-1045.27	1647108.37	14563246.14	40°06'0.9630"N	104°58'33.8534"W	0.34	
9023.00	89.850	181.220	7624.80	490.14	-489.76	-1047.56	1647106.10	14563152.20	40°06'0.0343"N	104°58'33.8829"W	0.44	
9118.00	90.030	181.390	7624.90	585.12	-584.73	-1049.73	1647103.97	14563057.26	40°05'59.0958"N	104°58'33.9107"W	0.26	
9211.00	90.150	181.180	7624.76	678.10	-677.71	-1051.81	1647101.91	14562964.32	40°05'58.1769"N	104°58'33.9375"W	0.26	
9305.00	90.060	181.140	7624.58	772.08	-771.69	-1053.72	1647100.04	14562870.38	40°05'57.2482"N	104°58'33.9619"W	0.10	
9400.00	89.820	181.490	7624.68	867.05	-866.67	-1055.90	1647097.89	14562775.44	40°05'56.3097"N	104°58'33.9899"W	0.45	
9494.00	89.850	181.100	7624.95	961.03	-960.64	-1058.02	1647095.79	14562681.50	40°05'55.3810"N	104°58'34.0172"W	0.42	
9587.00	88.920	180.970	7625.95	1054.01	-1053.62	-1059.70	1647094.14	14562588.56	40°05'54.4621"N	104°58'34.0388"W	1.01	
9679.00	88.610	180.880	7627.94	1145.98	-1145.59	-1061.18	1647092.69	14562496.63	40°05'53.5533"N	104°58'34.0578"W	0.35	
9772.00	89.630	181.050	7629.36	1238.95	-1238.56	-1062.75	1647091.15	14562403.70	40°05'52.6345"N	104°58'34.0779"W	1.11	
9866.00	88.860	180.980	7630.60	1332.93	-1332.54	-1064.42	1647089.52	14562309.76	40°05'51.7058"N	104°58'34.0993"W	0.82	
9959.00	89.600	181.060	7631.85	1425.90	-1425.51	-1066.07	1647087.89	14562216.82	40°05'50.7870"N	104°58'34.1205"W	0.80	
10052.00	88.370	181.190	7633.50	1518.87	-1518.48	-1067.90	1647086.09	14562123.89	40°05'49.8683"N	104°58'34.1440"W	1.33	
10144.00	87.290	180.550	7636.98	1610.79	-1610.40	-1069.29	1647084.73	14562032.00	40°05'48.9599"N	104°58'34.1619"W	1.36	
10238.00	88.860	180.790	7640.14	1704.73	-1704.34	-1070.39	1647083.66	14561938.10	40°05'48.0316"N	104°58'34.1760"W	1.69	
10331.00	88.860	181.150	7641.99	1797.70	-1797.31	-1071.97	1647082.11	14561845.17	40°05'47.1129"N	104°58'34.1962"W	0.39	
10424.00	88.800	180.670	7643.89	1890.67	-1890.27	-1073.44	1647080.67	14561752.24	40°05'46.1942"N	104°58'34.2151"W	0.52	
10518.00	88.830	180.790	7645.83	1984.64	-1984.25	-1074.64	1647079.50	14561658.31	40°05'45.2655"N	104°58'34.2305"W	0.13	
10612.00	89.940	179.480	7646.84	2078.63	-2078.24	-1074.86	1647079.31	14561564.35	40°05'44.3367"N	104°58'34.2333"W	1.83	



Actual Wellpath Report

NELSON 35-3HZ AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	KERR-MCGEE OIL & GAS ONSHORE LP (WA)	Well	NELSON 35-3HZ
Field	WELD COUNTY (UTM/TRUE NORTH)	API	0512351254
Facility	SEC.35-T2N-R68W	Wellbore	NELSON 35-3HZ AWB
Slot	SLOT#52 NELSON 35-3HZ (336°FNL & 2114°FWL,SEC.35)		

WELLPATH DATA (223 stations)

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
10705.00	90.060	180.980	7646.84	2171.63	-2171.23	-1075.23	1647078.96	14561471.39	40°05'43.4177"N	104°58'34.2380"W	1.62	
10799.00	88.860	180.940	7647.73	2265.61	-2265.22	-1076.81	1647077.42	14561377.45	40°05'42.4890"N	104°58'34.2583"W	1.28	
10892.00	88.860	180.590	7649.58	2358.58	-2358.19	-1078.05	1647076.20	14561284.51	40°05'41.5702"N	104°58'34.2742"W	0.38	
10985.00	87.810	180.830	7652.28	2451.54	-2451.14	-1079.20	1647075.08	14561191.60	40°05'40.6516"N	104°58'34.2889"W	1.16	
11079.00	87.690	180.720	7655.97	2545.46	-2545.06	-1080.47	1647073.84	14561097.72	40°05'39.7235"N	104°58'34.3052"W	0.17	
11172.00	89.420	181.160	7658.32	2638.41	-2638.01	-1082.00	1647072.35	14561004.80	40°05'38.8049"N	104°58'34.3248"W	1.92	
11265.00	89.630	181.420	7659.09	2731.38	-2730.99	-1084.09	1647070.28	14560911.86	40°05'37.8861"N	104°58'34.3517"W	0.36	
11358.00	87.410	181.470	7661.49	2824.32	-2823.92	-1086.44	1647067.97	14560818.97	40°05'36.9677"N	104°58'34.3818"W	2.39	
11451.00	87.290	181.100	7665.79	2917.20	-2916.80	-1088.52	1647065.91	14560726.13	40°05'36.0499"N	104°58'34.4086"W	0.42	
11544.00	88.950	181.050	7668.84	3010.13	-3009.73	-1090.26	1647064.20	14560633.23	40°05'35.1316"N	104°58'34.4310"W	1.79	
11636.00	89.850	181.490	7669.80	3102.10	-3101.70	-1092.30	1647062.19	14560541.30	40°05'34.2227"N	104°58'34.4571"W	1.09	
11730.00	90.090	181.110	7669.85	3196.08	-3195.67	-1094.43	1647060.09	14560447.36	40°05'33.2940"N	104°58'34.4845"W	0.48	
11822.00	90.150	181.360	7669.66	3288.05	-3287.65	-1096.42	1647058.13	14560355.42	40°05'32.3851"N	104°58'34.5100"W	0.28	
11915.00	88.950	181.420	7670.39	3381.02	-3380.62	-1098.67	1647055.91	14560262.49	40°05'31.4663"N	104°58'34.5390"W	1.29	
12007.00	88.950	181.040	7672.08	3472.99	-3472.58	-1100.65	1647053.96	14560170.56	40°05'30.5575"N	104°58'34.5643"W	0.41	
12100.00	89.380	181.180	7673.43	3565.96	-3565.56	-1102.45	1647052.19	14560077.62	40°05'29.6388"N	104°58'34.5874"W	0.49	
12193.00	89.420	181.390	7674.41	3658.93	-3658.53	-1104.53	1647050.14	14559984.69	40°05'28.7200"N	104°58'34.6142"W	0.23	
12288.00	89.170	181.560	7675.58	3753.89	-3753.49	-1106.98	1647047.72	14559889.76	40°05'27.7816"N	104°58'34.6456"W	0.32	
12380.00	89.350	181.300	7676.76	3845.86	-3845.45	-1109.28	1647045.45	14559797.84	40°05'26.8728"N	104°58'34.6751"W	0.34	
12473.00	89.010	181.300	7678.09	3938.83	-3938.42	-1111.39	1647043.37	14559704.91	40°05'25.9541"N	104°58'34.7022"W	0.37	
12565.00	89.750	181.290	7679.09	4030.80	-4030.39	-1113.46	1647041.32	14559612.97	40°05'25.0452"N	104°58'34.7289"W	0.80	
12659.00	89.630	181.550	7679.60	4124.77	-4124.36	-1115.79	1647039.03	14559519.04	40°05'24.1166"N	104°58'34.7588"W	0.30	
12753.00	89.600	181.610	7680.23	4218.73	-4218.32	-1118.39	1647036.46	14559425.12	40°05'23.1880"N	104°58'34.7921"W	0.07	
12846.00	89.350	181.190	7681.08	4311.70	-4311.29	-1120.66	1647034.22	14559332.18	40°05'22.2693"N	104°58'34.8213"W	0.53	
12939.00	89.910	181.230	7681.68	4404.68	-4404.27	-1122.62	1647032.29	14559239.24	40°05'21.3505"N	104°58'34.8465"W	0.60	
13031.00	89.420	181.200	7682.22	4496.66	-4496.24	-1124.57	1647030.37	14559147.30	40°05'20.4415"N	104°58'34.8716"W	0.53	
13123.00	90.520	181.720	7682.27	4588.63	-4588.21	-1126.92	1647028.05	14559055.37	40°05'19.5327"N	104°58'34.9017"W	1.32	
13215.00	89.200	181.130	7682.49	4680.59	-4680.18	-1129.20	1647025.79	14558963.44	40°05'18.6238"N	104°58'34.9310"W	1.57	
13309.00	90.000	181.160	7683.15	4774.57	-4774.16	-1131.08	1647023.95	14558869.50	40°05'17.6951"N	104°58'34.9551"W	0.85	
13401.00	90.000	181.240	7683.15	4866.55	-4866.14	-1133.01	1647022.05	14558777.55	40°05'16.7862"N	104°58'34.9799"W	0.09	



Actual Wellpath Report

NELSON 35-3HZ AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	KERR-MCGEE OIL & GAS ONSHORE LP (WA)	Well	NELSON 35-3HZ
Field	WELD COUNTY (UTM/TRUE NORTH)	API	0512351254
Facility	SEC.35-T2N-R68W	Wellbore	NELSON 35-3HZ AWB
Slot	SLOT#52 NELSON 35-3HZ (336'FNL & 2114'FWL,SEC.35)		

WELLPATH DATA (223 stations)

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
13495.00	90.120	181.060	7683.05	4960.54	-4960.12	-1134.90	1647020.19	14558683.61	40°05'15.8574"N	104°58'35.0041"W	0.23	
13587.00	90.580	181.280	7682.49	5052.52	-5052.10	-1136.77	1647018.34	14558591.67	40°05'14.9485"N	104°58'35.0282"W	0.55	
13681.00	90.460	181.410	7681.64	5146.49	-5146.07	-1138.98	1647016.17	14558497.73	40°05'14.0199"N	104°58'35.0565"W	0.19	
13773.00	90.370	181.330	7680.97	5238.46	-5238.04	-1141.18	1647014.00	14558405.80	40°05'13.1110"N	104°58'35.0848"W	0.13	
13866.00	90.180	180.890	7680.52	5331.44	-5331.02	-1142.98	1647012.22	14558312.85	40°05'12.1921"N	104°58'35.1079"W	0.52	
13959.00	90.370	181.310	7680.08	5424.42	-5424.00	-1144.77	1647010.47	14558219.91	40°05'11.2733"N	104°58'35.1308"W	0.50	
14054.00	90.550	180.890	7679.31	5519.40	-5518.98	-1146.59	1647008.67	14558124.97	40°05'10.3347"N	104°58'35.1542"W	0.48	
14146.00	90.400	181.320	7678.55	5611.38	-5610.96	-1148.37	1647006.93	14558033.03	40°05'9.4257"N	104°58'35.1770"W	0.49	
14240.00	89.940	181.620	7678.27	5705.35	-5704.93	-1150.78	1647004.55	14557939.09	40°05'8.4971"N	104°58'35.2080"W	0.58	
14333.00	89.110	181.140	7679.04	5798.32	-5797.90	-1153.02	1647002.34	14557846.16	40°05'7.5784"N	104°58'35.2367"W	1.03	
14426.00	89.480	181.570	7680.19	5891.29	-5890.87	-1155.22	1647000.17	14557753.23	40°05'6.6596"N	104°58'35.2650"W	0.61	
14518.00	88.980	178.990	7681.42	5983.27	-5982.85	-1155.66	1646999.75	14557661.29	40°05'5.7507"N	104°58'35.2707"W	2.86	
14612.00	88.120	179.460	7683.80	6077.23	-6076.81	-1154.39	1647001.05	14557567.36	40°05'4.8221"N	104°58'35.2543"W	1.04	
14704.00	88.060	179.130	7686.87	6169.17	-6168.75	-1153.26	1647002.21	14557475.46	40°05'3.9135"N	104°58'35.2397"W	0.36	
14796.00	88.240	179.510	7689.84	6261.12	-6260.70	-1152.17	1647003.33	14557383.55	40°05'3.0049"N	104°58'35.2256"W	0.46	
14891.00	87.880	179.550	7693.06	6356.06	-6355.64	-1151.39	1647004.14	14557288.65	40°05'2.0667"N	104°58'35.2155"W	0.38	
14983.00	88.090	179.860	7696.29	6448.00	-6447.58	-1150.92	1647004.64	14557196.74	40°05'1.1581"N	104°58'35.2094"W	0.41	
15076.00	88.090	178.870	7699.39	6540.94	-6540.52	-1149.89	1647005.70	14557103.84	40°05'0.2396"N	104°58'35.1961"W	1.06	
15169.00	87.910	179.450	7702.64	6633.87	-6633.45	-1148.53	1647007.09	14557010.94	40°04'59.3213"N	104°58'35.1785"W	0.65	
15263.00	89.480	178.940	7704.78	6727.84	-6727.42	-1147.21	1647008.44	14556917.02	40°04'58.3927"N	104°58'35.1614"W	1.76	
15356.00	89.020	179.720	7705.99	6820.82	-6820.40	-1146.12	1647009.55	14556824.07	40°04'57.4738"N	104°58'35.1474"W	0.97	
15448.00	89.970	179.480	7706.80	6912.81	-6912.39	-1145.48	1647010.22	14556732.12	40°04'56.5647"N	104°58'35.1391"W	1.07	
15540.00	89.420	179.000	7707.29	7004.80	-7004.38	-1144.26	1647011.47	14556640.16	40°04'55.6557"N	104°58'35.1233"W	0.79	
15634.00	89.480	179.410	7708.20	7098.79	-7098.37	-1142.95	1647012.80	14556546.22	40°04'54.7269"N	104°58'35.1065"W	0.44	
15729.00	88.680	179.570	7709.72	7193.77	-7193.35	-1142.11	1647013.68	14556451.27	40°04'53.7882"N	104°58'35.0955"W	0.86	
15822.00	90.550	179.760	7710.35	7286.76	-7286.35	-1141.56	1647014.25	14556358.32	40°04'52.8693"N	104°58'35.0885"W	2.02	
15914.00	89.820	179.240	7710.05	7378.76	-7378.34	-1140.76	1647015.08	14556266.36	40°04'51.9601"N	104°58'35.0781"W	0.97	
16009.00	90.490	179.550	7709.79	7473.75	-7473.33	-1139.76	1647016.11	14556171.40	40°04'51.0214"N	104°58'35.0652"W	0.78	
16103.00	90.370	179.490	7709.09	7567.75	-7567.33	-1138.97	1647016.93	14556077.45	40°04'50.0925"N	104°58'35.0550"W	0.14	
16196.00	90.180	179.470	7708.64	7660.74	-7660.32	-1138.13	1647017.80	14555984.49	40°04'49.1735"N	104°58'35.0441"W	0.21	



Actual Wellpath Report

NELSON 35-3HZ AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	KERR-MCGEE OIL & GAS ONSHORE LP (WA)	Well	NELSON 35-3HZ
Field	WELD COUNTY (UTM/TRUE NORTH)	API	0512351254
Facility	SEC.35-T2N-R68W	Wellbore	NELSON 35-3HZ AWB
Slot	SLOT#52 NELSON 35-3HZ (336°FNL & 2114°FWL,SEC.35)		

WELLPATH DATA (223 stations)

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
16290.00	89.570	179.230	7708.85	7754.73	-7754.32	-1137.06	1647018.90	14555890.53	40°04'48.2447"N	104°58'35.0303"W	0.70	
16384.00	91.020	178.510	7708.36	7848.71	-7848.29	-1135.21	1647020.78	14555796.60	40°04'47.3160"N	104°58'35.0064"W	1.72	
16477.00	90.400	179.520	7707.21	7941.69	-7941.27	-1133.61	1647022.41	14555703.66	40°04'46.3972"N	104°58'34.9858"W	1.27	
16569.00	90.830	179.110	7706.22	8033.67	-8033.26	-1132.51	1647023.54	14555611.71	40°04'45.4881"N	104°58'34.9716"W	0.65	
16662.00	90.220	178.360	7705.37	8126.65	-8126.23	-1130.45	1647025.62	14555518.77	40°04'44.5694"N	104°58'34.9451"W	1.04	
16754.00	89.940	178.260	7705.24	8218.60	-8218.19	-1127.74	1647028.36	14555426.85	40°04'43.6606"N	104°58'34.9101"W	0.32	
16847.00	90.000	178.480	7705.29	8311.57	-8311.15	-1125.10	1647031.03	14555333.93	40°04'42.7419"N	104°58'34.8760"W	0.25	
16940.00	89.820	178.510	7705.44	8404.53	-8404.12	-1122.65	1647033.50	14555241.00	40°04'41.8232"N	104°58'34.8446"W	0.20	
17034.00	89.880	178.810	7705.68	8498.51	-8498.10	-1120.45	1647035.73	14555147.06	40°04'40.8945"N	104°58'34.8162"W	0.33	
17128.00	89.970	178.470	7705.81	8592.48	-8592.07	-1118.22	1647037.99	14555053.13	40°04'39.9659"N	104°58'34.7875"W	0.37	
17221.00	90.150	178.330	7705.71	8685.44	-8685.03	-1115.63	1647040.61	14554960.20	40°04'39.0472"N	104°58'34.7540"W	0.25	
17314.00	90.000	178.490	7705.59	8778.40	-8778.00	-1113.05	1647043.22	14554867.27	40°04'38.1285"N	104°58'34.7208"W	0.24	
17407.00	89.450	178.640	7706.03	8871.37	-8870.97	-1110.72	1647045.58	14554774.34	40°04'37.2098"N	104°58'34.6908"W	0.61	
17500.00	89.570	178.300	7706.83	8964.34	-8963.93	-1108.23	1647048.09	14554681.42	40°04'36.2911"N	104°58'34.6588"W	0.39	
17594.00	89.600	178.490	7707.51	9058.29	-9057.89	-1105.60	1647050.75	14554587.50	40°04'35.3625"N	104°58'34.6248"W	0.20	
17689.00	89.420	178.350	7708.32	9153.25	-9152.85	-1102.98	1647053.40	14554492.57	40°04'34.4241"N	104°58'34.5911"W	0.24	
17781.00	89.350	178.290	7709.31	9245.21	-9244.81	-1100.28	1647056.12	14554400.66	40°04'33.5154"N	104°58'34.5564"W	0.10	
17875.00	88.920	177.940	7710.73	9339.15	-9338.74	-1097.19	1647059.24	14554306.76	40°04'32.5871"N	104°58'34.5165"W	0.59	
17968.00	89.200	178.050	7712.25	9432.07	-9431.67	-1093.94	1647062.52	14554213.87	40°04'31.6687"N	104°58'34.4746"W	0.32	
18060.00	89.050	177.900	7713.66	9524.01	-9523.61	-1090.69	1647065.80	14554121.97	40°04'30.7603"N	104°58'34.4328"W	0.23	
18155.00	88.950	178.790	7715.32	9618.95	-9618.55	-1087.95	1647068.57	14554027.07	40°04'29.8220"N	104°58'34.3974"W	0.94	
18248.00	88.860	178.490	7717.09	9711.90	-9711.51	-1085.74	1647070.81	14553934.15	40°04'28.9034"N	104°58'34.3690"W	0.34	
18341.00	89.940	178.620	7718.07	9804.87	-9804.47	-1083.39	1647073.18	14553841.22	40°04'27.9847"N	104°58'34.3388"W	1.17	
18433.00	90.310	178.510	7717.87	9896.84	-9896.44	-1081.09	1647075.51	14553749.29	40°04'27.0758"N	104°58'34.3091"W	0.42	
18525.00	89.750	178.880	7717.82	9988.81	-9988.42	-1079.00	1647077.63	14553657.35	40°04'26.1669"N	104°58'34.2821"W	0.73	
18620.00	90.180	178.310	7717.88	10083.78	-10083.39	-1076.67	1647079.99	14553562.42	40°04'25.2284"N	104°58'34.2520"W	0.75	
18712.00	89.940	178.200	7717.78	10175.74	-10175.35	-1073.86	1647082.82	14553470.50	40°04'24.3196"N	104°58'34.2160"W	0.29	
18804.00	89.720	178.100	7718.05	10267.69	-10267.30	-1070.89	1647085.82	14553378.59	40°04'23.4110"N	104°58'34.1777"W	0.26	
18897.00	89.480	177.760	7718.70	10360.62	-10360.23	-1067.54	1647089.20	14553285.69	40°04'22.4925"N	104°58'34.1344"W	0.45	
18990.00	89.600	178.150	7719.45	10453.56	-10453.17	-1064.22	1647092.55	14553192.79	40°04'21.5741"N	104°58'34.0917"W	0.44	



Actual Wellpath Report

NELSON 35-3HZ AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	KERR-MCGEE OIL & GAS ONSHORE LP (WA)	Well	NELSON 35-3HZ
Field	WELD COUNTY (UTM/TRUE NORTH)	API	0512351254
Facility	SEC.35-T2N-R68W	Wellbore	NELSON 35-3HZ AWB
Slot	SLOT#52 NELSON 35-3HZ (336'FNL & 2114'FWL,SEC.35)		

WELLPATH DATA (223 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
19083.00	89.910	177.910	7719.85	10546.50	-10546.12	-1061.02	1647095.77	14553099.88	40°04'20.6556"N	104°58'34.0505"W	0.42	
19268.00	89.450	178.660	7720.88	10731.41	-10731.03	-1055.48	1647101.37	14552915.05	40°04'18.8283"N	104°58'33.9792"W	0.48	
19361.00	90.120	179.040	7721.23	10824.39	-10824.01	-1053.62	1647103.26	14552822.10	40°04'17.9094"N	104°58'33.9552"W	0.83	
19455.00	90.180	178.330	7720.98	10918.37	-10917.98	-1051.46	1647105.45	14552728.17	40°04'16.9808"N	104°58'33.9274"W	0.76	
19548.00	90.090	178.570	7720.76	11011.33	-11010.95	-1048.94	1647107.99	14552635.24	40°04'16.0621"N	104°58'33.8949"W	0.28	
19642.00	91.320	178.370	7719.61	11105.29	-11104.91	-1046.43	1647110.53	14552541.32	40°04'15.1336"N	104°58'33.8626"W	1.33	
19735.00	91.350	178.370	7717.44	11198.22	-11197.84	-1043.79	1647113.20	14552448.42	40°04'14.2151"N	104°58'33.8285"W	0.03	
19778.00†	91.239	178.555	7716.47	11241.20	-11240.82	-1042.64	1647114.37	14552405.47	40°04'13.7905"N	104°58'33.8137"W	0.50	ENTER RADIUS TOE (927'FNL & 1093'FWL,SEC.11) 40.0704974 -104.9760594
19828.00	91.110	178.770	7715.44	11291.17	-11290.79	-1041.47	1647115.55	14552355.51	40°04'13.2966"N	104°58'33.7986"W	0.50	
19921.00	91.390	178.650	7713.42	11384.13	-11383.75	-1039.38	1647117.67	14552262.60	40°04'12.3780"N	104°58'33.7717"W	0.33	
20015.00	91.170	178.600	7711.32	11478.08	-11477.70	-1037.12	1647119.95	14552168.68	40°04'11.4496"N	104°58'33.7426"W	0.24	
20092.00	91.480	178.230	7709.54	11555.02	-11554.65	-1034.99	1647122.11	14552091.77	40°04'10.6891"N	104°58'33.7152"W	0.63	LAST BH MWD+HFR1+SC SURVEY
20116.00‡	91.480	178.230	7708.92	11579.00	-11578.63	-1034.25	1647122.85	14552067.80	40°04'10.4522"N	104°58'33.7056"W	0.00	PTB (1265'FNL & 1102'FWL,SEC.11) 40.06957 -104.9760293

HOLE & CASING SECTIONS - Ref Wellbore: NELSON 35-3HZ AWB Ref Wellpath: NELSON 35-3HZ 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 Surface	20.00	1913.00	1893.00	20.00	1870.08	0.00	0.00	225.95	-229.14



Actual Wellpath Report

NELSON 35-3HZ AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	KERR-MCGEE OIL & GAS ONSHORE LP (WA)	Well	NELSON 35-3HZ
Field	WELD COUNTY (UTM/TRUE NORTH)	API	0512351254
Facility	SEC.35-T2N-R68W	Wellbore	NELSON 35-3HZ AWB
Slot	SLOT#52 NELSON 35-3HZ (336'FNL & 2114'FWL,SEC.35)		

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
SEC.02-T01N-R68W	0.00	0.73	-90.08	1648063.05	14563642.79	40°06'4.8816"N	104°58'21.5616"W	polygon
	2D Polygon: dimensions not calculated							
SEC.11-T01N-R68W	0.00	0.73	-90.08	1648063.05	14563642.79	40°06'4.8816"N	104°58'21.5616"W	polygon
	2D Polygon: dimensions not calculated							
SEC.35-T02N-R68W	0.00	0.73	-90.08	1648063.05	14563642.79	40°06'4.8816"N	104°58'21.5616"W	polygon
	2D Polygon: dimensions not calculated							
NELSON 35-3HZ HEEL REV-1(50'FNL & 1075'FWL,SEC.35)	7623.00	285.63	-1038.70	1647114.72	14563927.28	40°06'7.6968"N	104°58'33.7692"W	point
NELSON 35-3HZ BHL REV-1(1265'FNL & 1093'FWL,SEC.11)	7729.00	-11579.37	-1043.11	1647114.00	14552067.05	40°04'10.4448"N	104°58'33.8196"W	point
NELSON 35-3HZ LANDBOX	7729.00	0.00	0.00	1648153.09	14563642.09	40°06'4.8744"N	104°58'20.4024"W	polygon
	2D Polygon: dimensions not calculated							
NELSON 35-3HZ RADIUS 1	7729.00	335.75	-791.12	1647362.18	14563977.45	40°06'8.1922"N	104°58'30.5832"W	circle
	2D Circle radius 460.							
NELSON 35-3HZ RADIUS 2	7729.00	-11641.29	-819.00	1647338.04	14552005.22	40°04'9.8330"N	104°58'30.9369"W	circle
	2D Circle radius 460.							



Actual Wellpath Report

NELSON 35-3HZ AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	KERR-MCGEE OIL & GAS ONSHORE LP (WA)	Well	NELSON 35-3HZ
Field	WELD COUNTY (UTM/TRUE NORTH)	API	0512351254
Facility	SEC.35-T2N-R68W	Wellbore	NELSON 35-3HZ AWB
Slot	SLOT#52 NELSON 35-3HZ (336'FNL & 2114'FWL,SEC.35)		

WELLPATH COMPOSITION - Ref Wellbore: NELSON 35-3HZ AWB Ref Wellpath: NELSON 35-3HZ AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
20.00	1860.00	Custom APC_ISCWSA REV 2 MWD+IFR1 (approximation)	Custom APC_ISCWSA Rev-2 MWD+IFR1 13-1/2" <95 - 1860>	NELSON 35-3HZ AWB	1/26/2021
1860.00	20116.00	Custom APC_ISCWSA REV 2 MWD+IFR1+SC (approximation)	BH Custom APC_ISCWSA Rev-2 MWD+IFR1+SC 8-1/2" <1938 - 20092>	NELSON 35-3HZ AWB	3/12/2021



Actual Wellpath Report

NELSON 35-3HZ AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	KERR-MCGEE OIL & GAS ONSHORE LP (WA)	Well	NELSON 35-3HZ
Field	WELD COUNTY (UTM/TRUE NORTH)	API	0512351254
Facility	SEC.35-T2N-R68W	Wellbore	NELSON 35-3HZ AWB
Slot	SLOT#52 NELSON 35-3HZ (336'FNL & 2114'FWL,SEC.35)		

WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
95.00	0.930	66.800	95.00	FIRST SURFACE MWD+IFR1 SURVEY
1860.00	20.640	316.350	1820.36	LAST SURFACE MWD+IFR1 SURVEY
1938.00	19.580	315.780	1893.61	FIRST BH MWD+IFR1+SC SURVEY
2317.00	20.613	313.799	2247.89	ENTER LANDBOX (10'FNL & 1782'FWL,SEC.35) 40.1022508 -104.9735159
7142.00	1.149	184.468	6907.19	KOP
8210.00	87.509	180.434	7614.94	LANDING (13'FNL & 1078'FWL,SEC.35) 40.1022407 -104.9760381
8585.00	88.932	180.327	7622.79	EXIT RADIUS HEEL (388'FNL & 1074'FWL,SEC.35) 40.1012115 -104.9760482
19778.00	91.239	178.555	7716.47	ENTER RADIUS TOE (927'FNL & 1093'FWL,SEC.11) 40.0704974 -104.9760594
20092.00	91.480	178.230	7709.54	LAST BH MWD+IFR1+SC SURVEY
20116.00	91.480	178.230	7708.92	PTB (1265'FNL & 1102'FWL,SEC.11) 40.06957 -104.9760293