



## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR-MCGEE OIL & GAS ONSHORE LP (LAMBERT STATE PLANE COORD)	Slot	SLOT#11 STEWARD 36N-6HZ (440'FSL & 1779'FWL, SEC.07)
Area	COLORADO	Well	STEWARD 36N-6HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	STEWARD 36N-6HZ AWB (117'-13379'MD)
Facility	SEC.07-T1N-R65W		

## REPORT SETUP INFORMATION

Projection System	NAD83 / Lambert Colorado SP, Northern Zone (501), US feet	Software System	WellArchitect® 4.1.1
North Reference	True	User	Amarcar
Scale	0.999962	Report Generated	24/Feb/2015 at 10:04
Convergence at slot	0.51° East	Database/Source file	WellArchitectDB/STEWARD_36N-6HZ_AWB__117_-13379_MD_.xml

## WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-74.09	-3035.95	3221226.62	1265638.24	40°03'35.496"N	104°42'34.682"W
Facility Reference Pt			3224261.66	1265739.76	40°03'36.230"N	104°41'55.637"W
Field Reference Pt			3197771.84	1268891.29	40°04'09.600"N	104°47'36.000"W

## WELLPATH DATUM

Calculation method	Minimum curvature	XTREME 8 (17'KB) (RKB) to Facility Vertical Datum	5018.00ft
Horizontal Reference Pt	Slot	XTREME 8 (17'KB) (RKB) to Mean Sea Level	5018.00ft
Vertical Reference Pt	XTREME 8 (17'KB) (RKB)	XTREME 8 (17'KB) (RKB) to Mud Line at Slot (SLOT#11 STEWARD 36N-6HZ (440'FSL & 1779'FWL, SEC.07))	5018.00ft
MD Reference Pt	XTREME 8 (17'KB) (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	0.33°

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR-MCGEE OIL & GAS ONSHORE LP (LAMBERT STATE PLANE COORD)	Slot	SLOT#11 STEWARD 36N-6HZ (440'FSL & 1779'FWL, SEC.07)
Area	COLORADO	Well	STEWARD 36N-6HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	STEWARD 36N-6HZ AWB (117'-13379'MD)
Facility	SEC.07-T1N-R65W		

WELLPATH DATA (127 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	164.750	0.00	0.00	0.00	0.00	40°03'35.496"N	104°42'34.682"W	0.00	
17.00	0.000	164.750	17.00	0.00	0.00	0.00	40°03'35.496"N	104°42'34.682"W	0.00	
117.00	0.159	164.750	117.00	-0.13	-0.13	0.04	40°03'35.495"N	104°42'34.682"W	0.16	BEGIN GYRO SURVEYS
217.00	0.196	148.153	217.00	-0.41	-0.41	0.16	40°03'35.492"N	104°42'34.680"W	0.06	
317.00	0.159	12.644	317.00	-0.42	-0.42	0.28	40°03'35.492"N	104°42'34.678"W	0.33	
417.00	0.194	265.652	417.00	-0.30	-0.30	0.15	40°03'35.493"N	104°42'34.680"W	0.28	
517.00	0.100	110.012	517.00	-0.34	-0.34	0.06	40°03'35.493"N	104°42'34.681"W	0.29	
617.00	0.239	110.026	617.00	-0.44	-0.44	0.34	40°03'35.492"N	104°42'34.678"W	0.14	
717.00	0.154	130.239	717.00	-0.60	-0.60	0.64	40°03'35.490"N	104°42'34.674"W	0.11	
817.00	0.060	115.503	817.00	-0.71	-0.71	0.78	40°03'35.489"N	104°42'34.672"W	0.10	
917.00	0.203	111.426	917.00	-0.79	-0.80	1.00	40°03'35.488"N	104°42'34.669"W	0.14	
1017.00	0.146	29.878	1017.00	-0.75	-0.75	1.23	40°03'35.489"N	104°42'34.666"W	0.23	
1117.00	0.151	53.567	1117.00	-0.56	-0.56	1.39	40°03'35.490"N	104°42'34.664"W	0.06	
1217.00	0.052	99.806	1217.00	-0.49	-0.49	1.55	40°03'35.491"N	104°42'34.662"W	0.12	
1317.00	0.256	52.008	1317.00	-0.35	-0.36	1.77	40°03'35.492"N	104°42'34.659"W	0.22	
1417.00	0.120	108.427	1417.00	-0.25	-0.26	2.04	40°03'35.493"N	104°42'34.656"W	0.21	
1517.00	0.220	129.589	1517.00	-0.40	-0.42	2.29	40°03'35.492"N	104°42'34.653"W	0.12	
1551.00	0.527	139.518	1550.99	-0.56	-0.58	2.44	40°03'35.490"N	104°42'34.651"W	0.92	TIE-INTO GYRO SURVEYS
1660.00	0.680	236.480	1659.99	-1.30	-1.31	2.23	40°03'35.483"N	104°42'34.653"W	0.83	BEGIN BHI MWD+IFR SURVEYS
1753.00	3.370	187.940	1752.93	-4.32	-4.33	1.39	40°03'35.453"N	104°42'34.664"W	3.19	
1845.00	6.960	152.320	1844.56	-11.92	-11.95	3.61	40°03'35.378"N	104°42'34.636"W	5.06	
1937.00	9.210	139.590	1935.65	-22.43	-22.49	10.97	40°03'35.274"N	104°42'34.541"W	3.11	
2030.00	11.330	138.480	2027.15	-34.87	-35.00	21.85	40°03'35.150"N	104°42'34.401"W	2.29	
2122.00	12.700	132.430	2117.14	-48.39	-48.59	35.31	40°03'35.016"N	104°42'34.228"W	2.02	
2215.00	14.940	135.550	2207.44	-63.75	-64.05	51.25	40°03'34.863"N	104°42'34.023"W	2.54	
2307.00	14.850	134.050	2296.35	-80.32	-80.71	68.03	40°03'34.698"N	104°42'33.807"W	0.43	
2398.00	13.410	130.070	2384.60	-95.12	-95.61	84.49	40°03'34.551"N	104°42'33.595"W	1.91	
2490.00	13.520	139.310	2474.08	-110.06	-110.63	99.66	40°03'34.403"N	104°42'33.400"W	2.34	
2582.00	14.860	137.050	2563.27	-126.76	-127.42	114.71	40°03'34.237"N	104°42'33.207"W	1.58	
2674.00	16.270	137.660	2651.89	-144.83	-145.59	131.43	40°03'34.057"N	104°42'32.992"W	1.54	
2765.00	17.560	136.980	2738.95	-164.18	-165.05	149.38	40°03'33.865"N	104°42'32.761"W	1.43	
2857.00	18.340	139.290	2826.48	-185.19	-186.16	168.29	40°03'33.656"N	104°42'32.518"W	1.15	
2944.00	19.990	137.290	2908.65	-206.39	-207.47	187.31	40°03'33.446"N	104°42'32.273"W	2.04	
3031.00	18.790	136.090	2990.72	-227.30	-228.49	207.11	40°03'33.238"N	104°42'32.018"W	1.45	
3117.00	20.050	133.780	3071.82	-247.36	-248.67	227.37	40°03'33.039"N	104°42'31.758"W	1.72	
3202.00	19.500	137.620	3151.81	-267.81	-269.23	247.45	40°03'32.835"N	104°42'31.500"W	1.66	
3289.00	18.080	138.360	3234.18	-288.51	-290.05	266.21	40°03'32.630"N	104°42'31.258"W	1.65	
3374.00	18.250	137.090	3314.94	-308.02	-309.65	284.03	40°03'32.436"N	104°42'31.029"W	0.51	
3461.00	18.670	137.910	3397.46	-328.22	-329.96	302.64	40°03'32.235"N	104°42'30.790"W	0.57	
3546.00	18.990	133.550	3477.92	-347.74	-349.59	321.79	40°03'32.041"N	104°42'30.544"W	1.70	
3632.00	19.230	133.740	3559.18	-367.05	-369.02	342.16	40°03'31.849"N	104°42'30.282"W	0.29	
3717.00	17.540	137.800	3639.84	-386.11	-388.19	360.88	40°03'31.660"N	104°42'30.041"W	2.49	
3806.00	17.700	141.590	3724.67	-406.55	-408.73	378.29	40°03'31.457"N	104°42'29.817"W	1.30	
3891.00	17.910	140.530	3805.60	-426.67	-428.94	394.63	40°03'31.257"N	104°42'29.607"W	0.45	
3978.00	17.870	133.200	3888.40	-446.03	-448.41	412.87	40°03'31.065"N	104°42'29.372"W	2.59	

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR-MCGEE OIL & GAS ONSHORE LP (LAMBERT STATE PLANE COORD)	Slot	SLOT#11 STEWARD 36N-6HZ (440'FSL & 1779'FWL, SEC.07)
Area	COLORADO	Well	STEWARD 36N-6HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	STEWARD 36N-6HZ AWB (117'-13379'MD)
Facility	SEC.07-T1N-R65W		

WELLPATH DATA (127 stations) † = interpolated/extrapolated station										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
4064.00	16.720	138.090	3970.52	-464.17	-466.65	430.75	40°03'30.884"N	104°42'29.142"W	2.15	
4149.00	17.350	139.280	4051.79	-482.78	-485.36	447.18	40°03'30.700"N	104°42'28.931"W	0.85	
4234.00	18.230	139.550	4132.72	-502.41	-505.08	464.08	40°03'30.505"N	104°42'28.714"W	1.04	
4321.00	18.570	135.370	4215.28	-522.51	-525.29	482.64	40°03'30.305"N	104°42'28.475"W	1.57	
4407.00	20.460	137.220	4296.33	-543.18	-546.07	502.47	40°03'30.100"N	104°42'28.220"W	2.31	
4492.00	21.710	136.800	4375.64	-565.42	-568.44	523.32	40°03'29.879"N	104°42'27.952"W	1.48	
4577.00	19.640	134.830	4455.16	-586.84	-589.97	544.22	40°03'29.666"N	104°42'27.683"W	2.57	
4662.00	18.810	134.540	4535.42	-606.41	-609.65	564.12	40°03'29.471"N	104°42'27.427"W	0.98	
4747.00	18.960	134.820	4615.85	-625.64	-629.00	583.68	40°03'29.280"N	104°42'27.176"W	0.21	
4832.00	19.750	131.390	4696.05	-644.75	-648.23	604.25	40°03'29.090"N	104°42'26.911"W	1.63	
4917.00	18.890	134.680	4776.26	-663.80	-667.40	624.81	40°03'28.901"N	104°42'26.647"W	1.63	
5003.00	20.120	134.220	4857.32	-683.79	-687.51	645.31	40°03'28.702"N	104°42'26.383"W	1.44	
5088.00	19.500	134.460	4937.29	-703.80	-707.64	665.91	40°03'28.503"N	104°42'26.118"W	0.74	
5173.00	17.130	132.390	5017.98	-722.07	-726.02	685.29	40°03'28.321"N	104°42'25.869"W	2.89	
5259.00	17.680	136.570	5100.05	-739.99	-744.04	703.62	40°03'28.143"N	104°42'25.633"W	1.59	
5344.00	16.780	135.470	5181.23	-758.01	-762.16	721.10	40°03'27.964"N	104°42'25.408"W	1.13	
5429.00	15.440	135.220	5262.89	-774.69	-778.94	737.67	40°03'27.798"N	104°42'25.195"W	1.58	
5516.00	14.630	133.120	5346.91	-790.33	-794.67	753.85	40°03'27.643"N	104°42'24.987"W	1.12	
5603.00	13.720	131.240	5431.26	-804.55	-808.98	769.63	40°03'27.501"N	104°42'24.784"W	1.17	
5690.00	12.330	128.560	5516.03	-817.06	-821.57	784.65	40°03'27.377"N	104°42'24.591"W	1.74	
5775.00	10.590	135.300	5599.33	-828.19	-832.79	797.24	40°03'27.266"N	104°42'24.429"W	2.58	
5861.00	10.110	134.920	5683.93	-839.08	-843.73	808.15	40°03'27.158"N	104°42'24.289"W	0.56	
5948.00	7.840	131.210	5769.86	-848.32	-853.03	818.02	40°03'27.066"N	104°42'24.162"W	2.69	
6033.00	7.480	133.090	5854.10	-855.87	-860.63	826.42	40°03'26.991"N	104°42'24.054"W	0.52	
6120.00	5.950	129.440	5940.50	-862.56	-867.37	834.04	40°03'26.924"N	104°42'23.956"W	1.82	
6207.00	4.200	121.740	6027.16	-867.07	-871.91	840.23	40°03'26.879"N	104°42'23.876"W	2.15	
6293.00	3.460	112.150	6112.97	-869.68	-874.54	845.31	40°03'26.853"N	104°42'23.811"W	1.14	
6382.00	2.240	119.510	6201.86	-871.52	-876.41	849.31	40°03'26.835"N	104°42'23.759"W	1.43	
6469.00	0.950	108.410	6288.82	-872.57	-877.48	851.48	40°03'26.824"N	104°42'23.732"W	1.52	
6554.00	0.750	82.940	6373.81	-872.72	-877.63	852.70	40°03'26.823"N	104°42'23.716"W	0.50	
6895.00	3.320	359.200	6714.61	-862.56	-867.48	854.78	40°03'26.923"N	104°42'23.689"W	0.97	
6980.00	9.490	0.000	6799.04	-853.08	-858.00	854.74	40°03'27.017"N	104°42'23.690"W	7.26	
7066.00	14.500	352.180	6883.14	-835.32	-840.24	853.28	40°03'27.192"N	104°42'23.708"W	6.11	
7150.00	21.960	350.390	6962.87	-809.41	-814.30	849.22	40°03'27.449"N	104°42'23.761"W	8.90	
7235.00	32.780	355.350	7038.25	-770.71	-775.57	844.68	40°03'27.831"N	104°42'23.819"W	13.00	
7321.00	37.960	354.470	7108.35	-721.17	-726.01	840.25	40°03'28.321"N	104°42'23.876"W	6.05	
7410.00	50.720	358.550	7171.89	-659.24	-664.06	836.72	40°03'28.934"N	104°42'23.921"W	14.68	
7499.00	69.370	1.250	7216.14	-582.48	-587.30	836.76	40°03'29.692"N	104°42'23.921"W	21.12	
7541.00	79.040	1.860	7227.55	-542.13	-546.95	837.86	40°03'30.091"N	104°42'23.907"W	23.07	
7573.00†	81.894	1.630	7232.85	-510.58	-515.41	838.82	40°03'30.403"N	104°42'23.894"W	8.95	7" CASING POINT
7651.00	88.850	1.080	7239.14	-432.89	-437.73	840.65	40°03'31.170"N	104°42'23.871"W	8.95	
8005.00	92.900	0.610	7233.74	-79.03	-83.88	845.87	40°03'34.667"N	104°42'23.803"W	1.15	
8094.00	93.540	358.860	7228.74	9.83	4.97	845.46	40°03'35.545"N	104°42'23.809"W	2.09	
8179.00	91.820	359.500	7224.76	94.71	89.87	844.25	40°03'36.384"N	104°42'23.824"W	2.16	
8264.00	90.180	358.500	7223.28	179.67	174.84	842.77	40°03'37.224"N	104°42'23.843"W	2.26	

### REFERENCE WELLPATH IDENTIFICATION

Operator	KERR-MCGEE OIL & GAS ONSHORE LP (LAMBERT STATE PLANE COORD)	Slot	SLOT#11 STEWARD 36N-6HZ (440'FSL & 1779'FWL, SEC.07)
Area	COLORADO	Well	STEWARD 36N-6HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	STEWARD 36N-6HZ AWB (117'-13379'MD)
Facility	SEC.07-T1N-R65W		

### WELLPATH DATA (127 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
8354.00	86.630	357.200	7225.79	269.54	264.72	839.39	40°03'38.112"N	104°42'23.887"W	4.20	
8532.00	85.750	357.610	7237.61	446.91	442.14	831.35	40°03'39.865"N	104°42'23.990"W	0.55	
8619.00	87.180	358.460	7242.98	533.67	528.92	828.37	40°03'40.723"N	104°42'24.028"W	1.91	
8703.00	87.410	359.370	7246.94	617.55	612.81	826.78	40°03'41.552"N	104°42'24.049"W	1.12	
8791.00	88.240	0.190	7250.28	705.48	700.75	826.45	40°03'42.421"N	104°42'24.053"W	1.33	
8876.00	89.440	0.340	7252.00	790.46	785.73	826.84	40°03'43.261"N	104°42'24.048"W	1.42	
9047.00	88.550	359.860	7255.00	961.43	956.70	827.14	40°03'44.950"N	104°42'24.044"W	0.59	
9217.00	90.550	0.230	7256.34	1131.42	1126.69	827.27	40°03'46.630"N	104°42'24.042"W	1.20	
9475.00	90.700	1.240	7253.52	1389.39	1384.65	830.58	40°03'49.179"N	104°42'23.999"W	0.40	
9733.00	91.750	1.720	7248.01	1647.28	1642.50	837.24	40°03'51.727"N	104°42'23.914"W	0.45	
9905.00	89.810	0.680	7245.67	1819.23	1814.43	840.84	40°03'53.426"N	104°42'23.867"W	1.28	
10164.00	92.070	0.770	7241.42	2078.17	2073.36	844.12	40°03'55.985"N	104°42'23.825"W	0.87	
10249.00	90.430	1.270	7239.56	2163.14	2158.32	845.63	40°03'56.825"N	104°42'23.805"W	2.02	
10335.00	89.530	0.180	7239.59	2249.14	2244.31	846.72	40°03'57.675"N	104°42'23.791"W	1.64	
10505.00	89.080	0.590	7241.66	2419.13	2414.30	847.86	40°03'59.354"N	104°42'23.777"W	0.36	
10675.00	88.490	0.940	7245.26	2589.08	2584.24	850.13	40°04'01.034"N	104°42'23.747"W	0.40	
10761.00	88.950	0.660	7247.18	2675.06	2670.21	851.33	40°04'01.883"N	104°42'23.732"W	0.63	
10848.00	89.850	0.080	7248.09	2762.05	2757.20	851.90	40°04'02.743"N	104°42'23.725"W	1.23	
11110.00	88.330	0.220	7252.25	3024.01	3019.16	852.58	40°04'05.332"N	104°42'23.716"W	0.58	
11195.00	89.350	0.350	7253.97	3108.99	3104.14	853.00	40°04'06.172"N	104°42'23.710"W	1.21	
11282.00	90.740	359.110	7253.91	3195.98	3191.14	852.59	40°04'07.031"N	104°42'23.715"W	2.14	
11368.00	91.640	358.400	7252.12	3281.93	3277.10	850.73	40°04'07.881"N	104°42'23.739"W	1.33	
11453.00	89.470	358.170	7251.30	3366.87	3362.05	848.18	40°04'08.720"N	104°42'23.772"W	2.57	
11708.00	88.270	357.600	7256.32	3621.58	3616.82	838.77	40°04'11.238"N	104°42'23.893"W	0.52	
11793.00	87.590	358.630	7259.40	3706.46	3701.72	835.98	40°04'12.077"N	104°42'23.929"W	1.45	
11963.00	87.040	359.790	7267.36	3876.24	3871.51	833.64	40°04'13.755"N	104°42'23.959"W	0.75	
12138.00	87.920	359.890	7275.05	4051.06	4046.34	833.15	40°04'15.483"N	104°42'23.965"W	0.51	
12311.00	90.950	1.350	7276.76	4224.02	4219.30	835.02	40°04'17.192"N	104°42'23.941"W	1.94	
12483.00	89.840	0.670	7275.57	4396.00	4391.26	838.05	40°04'18.891"N	104°42'23.902"W	0.76	
12656.00	90.740	1.330	7274.70	4568.99	4564.23	841.07	40°04'20.601"N	104°42'23.863"W	0.65	
12826.00	90.270	0.730	7273.20	4738.97	4734.20	844.13	40°04'22.280"N	104°42'23.824"W	0.45	
12996.00	89.930	359.980	7272.90	4908.96	4904.19	845.18	40°04'23.960"N	104°42'23.810"W	0.48	
13083.00	89.220	359.900	7273.55	4995.96	4991.19	845.09	40°04'24.820"N	104°42'23.811"W	0.82	
13172.00	89.010	0.070	7274.92	5084.95	5080.18	845.07	40°04'25.699"N	104°42'23.811"W	0.30	
13262.00	88.730	0.110	7276.70	5174.93	5170.16	845.21	40°04'26.588"N	104°42'23.810"W	0.31	
13314.00	88.440	0.480	7277.98	5226.91	5222.14	845.48	40°04'27.102"N	104°42'23.806"W	0.90	LAST BHI MWD+IFR SURVEYS
13379.00	88.440	0.480	7279.75	5291.89	5287.12	846.02	40°04'27.744"N	104°42'23.799"W	0.00	PROJECTION TO BIT

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR-MCGEE OIL & GAS ONSHORE LP (LAMBERT STATE PLANE COORD)	Slot	SLOT#11 STEWARD 36N-6HZ (440'FSL & 1779'FWL, SEC.07)
Area	COLORADO	Well	STEWARD 36N-6HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	STEWARD 36N-6HZ AWB (117'-13379'MD)
Facility	SEC.07-T1N-R65W		

HOLE & CASING SECTIONS - Ref Wellbore: STEWARD 36N-6HZ AWB (117'-13379'MD) Ref Wellpath: STEWARD 36N-6HZ 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]
13.5in Open Hole	17.00	1617.00	1600.00	17.00	1616.99	0.00	0.00	-1.03	2.52
9.625in Casing Surface	17.00	1606.00	1589.00	17.00	1605.99	0.00	0.00	-0.95	2.55
8.75in Open Hole	1617.00	7583.00	5966.00	1616.99	7234.19	-1.03	2.52	-505.50	839.09
7in Casing Intermediate	17.00	7573.00	7556.00	17.00	7232.85	0.00	0.00	-515.41	838.82
6.125in Open Hole	7583.00	13379.00	5796.00	7234.19	7279.75	-505.50	839.09	5287.12	846.02

TARGETS								
Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
SEC.06-T1N-R65W SECTION LINES	0.00	-0.71	-119.82	3221106.82	1265636.47	40°03'35.489"N	104°42'36.223"W	polygon
SEC.07-T1N-R65W SECTION LINES	0.00	-0.71	-119.82	3221106.82	1265636.47	40°03'35.489"N	104°42'36.223"W	polygon
STEWARD 36N-6HZ BHL ON PLAT (410'FSL & 2593'FWL, SEC.06) REV-1	7178.00	5286.97	775.46	3221954.90	1270931.70	40°04'27.743"N	104°42'24.707"W	point
STEWARD 36N-6HZ LANDBOX	7178.00	0.00	0.00	3221226.62	1265638.24	40°03'35.496"N	104°42'34.682"W	polygon
STEWARD 36N-6HZ BHL (410'FSL & 2604'FEL, SEC.06) REV-3	7243.00	5287.33	856.30	3222035.73	1270932.79	40°04'27.746"N	104°42'23.667"W	point
STEWARD 36N-6HZ BHL ON PLAT (410'FSL & 2588'FEL, SEC.06) REV-2	7243.00	5287.29	872.54	3222051.97	1270932.89	40°04'27.746"N	104°42'23.458"W	point

WELLPATH COMPOSITION - Ref Wellbore: STEWARD 36N-6HZ AWB (117'-13379'MD) Ref Wellpath: STEWARD 36N-6HZ AWP					
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	
17.00	1551.00	Generic gyro - continuous (Standard)	VES GYRO SURVEYS 13.5" <117-1551>	STEWARD 36N-6HZ AWB (117'-13379'MD)	
1551.00	7541.00	NaviTrak (MAGCORR,IFR)	BHI MWD+IFR SURVEYS 8.75" <1660-7541>	STEWARD 36N-6HZ AWB (117'-13379'MD)	
7541.00	13314.00	NaviTrak (MAGCORR,IFR)	BHI MWD+IFR SURVEYS 6.125" <7651-13314>	STEWARD 36N-6HZ AWB (117'-13379'MD)	
13314.00	13379.00	Blind Drilling (std)	Projection to bit	STEWARD 36N-6HZ AWB (117'-13379'MD)	

# Actual Wellpath Report

STEWARD 36N-6HZ AWP

Page 6 of 6

## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR-MCGEE OIL & GAS ONSHORE LP (LAMBERT STATE PLANE COORD)	Slot	SLOT#11 STEWARD 36N-6HZ (440'FSL & 1779'FWL, SEC.07)
Area	COLORADO	Well	STEWARD 36N-6HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	STEWARD 36N-6HZ AWB (117'-13379'MD)
Facility	SEC.07-T1N-R65W		

## WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
117.00	0.159	164.750	117.00	BEGIN GYRO SURVEYS
1551.00	0.527	139.518	1550.99	TIE-INTO GYRO SURVEYS
1660.00	0.680	236.480	1659.99	BEGIN BHI MWD+IFR SURVEYS
7573.00	81.894	1.630	7232.85	7" CASING POINT
13314.00	88.440	0.480	7277.98	LAST BHI MWD+IFR SURVEYS
13379.00	88.440	0.480	7279.75	PROJECTION TO BIT