



Actual Wellpath Report

BADDING 34N-2HZ AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR-MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#26 BADDING 34N-2HZ (2412'FSL & 851'FWL, SEC.35)
Area	COLORADO	Well	BADDING 34N-2HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	BADDING 34N-2HZ AWB
Facility	SEC.35-T2N-R66W		

REPORT SETUP INFORMATION			
Projection System	NAD83 / Lambert Colorado SP, Northern Zone (501), US feet	Software System	WellArchitect® 4.0.0
North Reference	True	User	Precain
Scale	0.999961	Report Generated	10/Feb/2014 at 15:57
Convergence at slot	n/a	Database/Source file	WellArchitectDB/BADDING_34N-2HZ_AWB.xml

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	1464.31	-2795.31	3209629.44	1277944.59	40°05'38.105"N	104°45'02.495"W
Facility Reference Pt			3212437.07	1276504.33	40°05'23.636"N	104°44'26.527"W
Field Reference Pt			3197771.84	1268891.29	40°04'09.600"N	104°47'36.000"W

WELLPATH DATUM			
Calculation method	Minimum curvature	ENSIGN 145 (13'KB) (RKB) to Facility Vertical Datum	5114.00ft
Horizontal Reference Pt	Slot	ENSIGN 145 (13'KB) (RKB) to Mean Sea Level	5114.00ft
Vertical Reference Pt	ENSIGN 145 (13'KB) (RKB)	ENSIGN 145 (13'KB) (RKB) to Mud Line at Slot (SLOT#26 BADDING 34N-2HZ (2412'FSL & 851'FWL, SEC.35))	5114.00ft
MD Reference Pt	ENSIGN 145 (13'KB) (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	179.96°

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WELLPATH DATA (161 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	137.460	0.00	0.00	0.00	0.00	40°05'38.105"N	104°45'02.495"W	0.00	
13.00	0.000	137.460	13.00	0.00	0.00	0.00	40°05'38.105"N	104°45'02.495"W	0.00	Tie-On
113.00	0.150	137.460	113.00	0.10	-0.10	0.09	40°05'38.104"N	104°45'02.494"W	0.15	Begin GYRO Surveys
213.00	0.650	49.770	213.00	-0.17	0.17	0.61	40°05'38.107"N	104°45'02.487"W	0.66	
313.00	0.590	24.610	312.99	-1.01	1.01	1.26	40°05'38.115"N	104°45'02.479"W	0.28	
413.00	0.180	307.820	412.99	-1.57	1.57	1.35	40°05'38.121"N	104°45'02.478"W	0.58	
513.00	0.020	2.680	512.99	-1.69	1.69	1.22	40°05'38.122"N	104°45'02.479"W	0.17	
613.00	0.290	21.700	612.99	-1.94	1.94	1.32	40°05'38.124"N	104°45'02.478"W	0.27	
713.00	0.550	1.120	712.99	-2.65	2.65	1.42	40°05'38.131"N	104°45'02.477"W	0.30	
813.00	0.450	303.690	812.98	-3.35	3.35	1.10	40°05'38.138"N	104°45'02.481"W	0.49	
913.00	0.170	60.590	912.98	-3.64	3.64	0.91	40°05'38.141"N	104°45'02.483"W	0.55	
1013.00	0.650	8.640	1012.98	-4.27	4.28	1.12	40°05'38.147"N	104°45'02.481"W	0.56	
1113.00	0.830	324.050	1112.97	-5.42	5.42	0.78	40°05'38.159"N	104°45'02.485"W	0.59	
1153.00	0.510	281.270	1152.97	-5.69	5.69	0.44	40°05'38.161"N	104°45'02.489"W	1.43	Tie-Into GYRO Surveys
1291.00	1.170	359.180	1290.96	-7.22	7.22	-0.19	40°05'38.176"N	104°45'02.497"W	0.85	Begin BHI MWD+IFR Surveys
1354.00	1.060	8.600	1353.95	-8.44	8.44	-0.11	40°05'38.188"N	104°45'02.496"W	0.34	
1447.00	2.640	321.230	1446.90	-10.96	10.96	-1.32	40°05'38.213"N	104°45'02.512"W	2.23	
1541.00	4.650	313.890	1540.70	-15.29	15.29	-5.42	40°05'38.256"N	104°45'02.565"W	2.19	
1635.00	6.840	314.370	1634.23	-21.86	21.85	-12.17	40°05'38.321"N	104°45'02.652"W	2.33	
1728.00	7.990	318.510	1726.45	-30.58	30.56	-20.41	40°05'38.407"N	104°45'02.758"W	1.36	
1822.00	9.320	314.790	1819.38	-40.84	40.82	-30.14	40°05'38.508"N	104°45'02.883"W	1.53	
1915.00	10.820	307.540	1910.94	-51.48	51.44	-42.41	40°05'38.613"N	104°45'03.041"W	2.11	
2009.00	10.060	304.910	2003.39	-61.56	61.52	-56.14	40°05'38.713"N	104°45'03.217"W	0.95	
2102.00	10.180	304.690	2094.94	-70.90	70.84	-69.56	40°05'38.805"N	104°45'03.390"W	0.14	
2195.00	9.890	302.500	2186.52	-79.88	79.81	-83.05	40°05'38.894"N	104°45'03.564"W	0.52	
2289.00	10.880	305.230	2278.98	-89.34	89.27	-97.11	40°05'38.987"N	104°45'03.744"W	1.18	
2382.00	10.750	304.690	2370.33	-99.35	99.27	-111.41	40°05'39.086"N	104°45'03.929"W	0.18	
2476.00	10.780	303.070	2462.67	-109.15	109.05	-125.98	40°05'39.183"N	104°45'04.116"W	0.32	
2569.00	10.340	302.360	2554.10	-118.37	118.27	-140.32	40°05'39.274"N	104°45'04.301"W	0.49	
2663.00	10.350	303.140	2646.57	-127.51	127.40	-154.52	40°05'39.364"N	104°45'04.483"W	0.15	
2756.00	10.250	302.870	2738.07	-136.58	136.46	-168.46	40°05'39.453"N	104°45'04.663"W	0.12	
2850.00	10.190	302.600	2830.58	-145.61	145.48	-182.49	40°05'39.543"N	104°45'04.843"W	0.08	
2940.00	9.870	301.300	2919.20	-153.92	153.77	-195.79	40°05'39.625"N	104°45'05.014"W	0.44	
3030.00	9.330	301.250	3007.94	-161.72	161.56	-208.62	40°05'39.702"N	104°45'05.179"W	0.60	
3120.00	9.240	302.780	3096.76	-169.43	169.26	-220.93	40°05'39.778"N	104°45'05.338"W	0.29	
3209.00	9.120	301.130	3184.62	-176.95	176.78	-232.97	40°05'39.852"N	104°45'05.493"W	0.33	
3299.00	9.260	301.760	3273.47	-184.46	184.28	-245.24	40°05'39.926"N	104°45'05.651"W	0.19	
3389.00	9.010	301.130	3362.33	-191.92	191.73	-257.43	40°05'40.000"N	104°45'05.807"W	0.30	
3479.00	8.990	301.450	3451.22	-199.24	199.04	-269.46	40°05'40.072"N	104°45'05.962"W	0.06	
3569.00	9.130	307.420	3540.10	-207.26	207.05	-281.13	40°05'40.151"N	104°45'06.112"W	1.06	
3659.00	8.940	304.050	3628.98	-215.52	215.30	-292.59	40°05'40.233"N	104°45'06.260"W	0.62	
3749.00	8.590	302.550	3717.93	-223.06	222.84	-304.05	40°05'40.307"N	104°45'06.407"W	0.46	
3839.00	9.480	307.360	3806.81	-231.19	230.95	-315.61	40°05'40.387"N	104°45'06.556"W	1.30	
3929.00	9.500	306.590	3895.58	-240.12	239.88	-327.46	40°05'40.475"N	104°45'06.709"W	0.14	
4019.00	10.220	313.400	3984.26	-250.04	249.79	-339.23	40°05'40.573"N	104°45'06.860"W	1.52	

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Area	COLORADO	Well	BADDING 34N-2HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	BADDING 34N-2HZ AWB
Facility	SEC.35-T2N-R66W		

WELLPATH DATA (161 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
4110.00	9.820	312.980	4073.87	-260.89	260.63	-350.77	40°05'40.681"N	104°45'07.009"W	0.45	
4199.00	9.570	313.020	4161.60	-271.12	270.85	-361.73	40°05'40.782"N	104°45'07.150"W	0.28	
4290.00	9.340	311.510	4251.36	-281.18	280.90	-372.79	40°05'40.881"N	104°45'07.292"W	0.37	
4380.00	11.090	314.570	4339.93	-292.11	291.82	-384.43	40°05'40.989"N	104°45'07.442"W	2.04	
4470.00	11.360	312.200	4428.21	-304.14	303.85	-397.16	40°05'41.108"N	104°45'07.605"W	0.59	
4560.00	11.070	313.050	4516.49	-316.01	315.70	-410.04	40°05'41.225"N	104°45'07.771"W	0.37	
4650.00	10.940	314.720	4604.84	-327.92	327.61	-422.42	40°05'41.342"N	104°45'07.931"W	0.38	
4740.00	10.910	314.480	4693.20	-339.91	339.58	-434.57	40°05'41.461"N	104°45'08.087"W	0.06	
4830.00	10.590	312.730	4781.63	-351.50	351.16	-446.72	40°05'41.575"N	104°45'08.243"W	0.51	
4920.00	10.460	312.790	4870.11	-362.67	362.32	-458.79	40°05'41.686"N	104°45'08.398"W	0.14	
5010.00	10.210	311.350	4958.65	-373.50	373.14	-470.78	40°05'41.792"N	104°45'08.553"W	0.40	
5100.00	10.140	310.610	5047.24	-383.93	383.57	-482.78	40°05'41.895"N	104°45'08.707"W	0.16	
5190.00	9.610	307.430	5135.90	-393.66	393.29	-494.76	40°05'41.992"N	104°45'08.861"W	0.84	
5280.00	9.340	306.010	5224.68	-402.53	402.15	-506.63	40°05'42.079"N	104°45'09.014"W	0.40	
5370.00	9.100	303.840	5313.51	-410.80	410.41	-518.45	40°05'42.161"N	104°45'09.166"W	0.47	
5460.00	8.330	301.080	5402.47	-418.14	417.74	-529.94	40°05'42.233"N	104°45'09.314"W	0.97	
5550.00	8.650	307.600	5491.49	-425.64	425.23	-540.89	40°05'42.307"N	104°45'09.455"W	1.13	
5640.00	8.970	305.150	5580.43	-433.82	433.40	-551.99	40°05'42.388"N	104°45'09.598"W	0.55	
5730.00	8.180	302.410	5669.42	-441.30	440.87	-563.13	40°05'42.462"N	104°45'09.741"W	0.99	
5820.00	7.540	301.650	5758.57	-447.83	447.40	-573.56	40°05'42.526"N	104°45'09.875"W	0.72	
5910.00	6.680	298.780	5847.88	-453.46	453.02	-583.18	40°05'42.582"N	104°45'09.999"W	1.03	
6000.00	5.830	298.820	5937.35	-458.19	457.75	-591.77	40°05'42.628"N	104°45'10.110"W	0.94	
6090.00	5.270	293.900	6026.92	-462.07	461.62	-599.56	40°05'42.667"N	104°45'10.210"W	0.82	
6180.00	4.390	285.760	6116.60	-464.69	464.23	-606.65	40°05'42.693"N	104°45'10.301"W	1.24	
6270.00	4.090	279.380	6206.36	-466.15	465.69	-613.13	40°05'42.707"N	104°45'10.384"W	0.62	
6360.00	3.890	281.500	6296.14	-467.29	466.83	-619.29	40°05'42.718"N	104°45'10.464"W	0.28	
6450.00	3.170	278.970	6385.97	-468.29	467.82	-624.74	40°05'42.728"N	104°45'10.534"W	0.82	
6540.00	2.810	273.070	6475.85	-468.80	468.33	-629.40	40°05'42.733"N	104°45'10.594"W	0.53	
6630.00	2.090	275.340	6565.76	-469.07	468.60	-633.24	40°05'42.736"N	104°45'10.643"W	0.81	
6720.00	1.810	283.900	6655.71	-469.57	469.09	-636.25	40°05'42.741"N	104°45'10.682"W	0.45	
6811.00	1.810	167.690	6746.69	-468.51	468.03	-637.34	40°05'42.730"N	104°45'10.696"W	3.38	
6856.00	6.910	166.330	6791.54	-465.18	464.71	-636.55	40°05'42.697"N	104°45'10.686"W	11.33	
6901.00	11.780	169.540	6835.93	-458.03	457.56	-635.07	40°05'42.627"N	104°45'10.667"W	10.88	
6946.00	14.420	173.020	6879.76	-447.95	447.47	-633.56	40°05'42.527"N	104°45'10.647"W	6.12	
6991.00	14.170	167.850	6923.37	-437.00	436.53	-631.72	40°05'42.419"N	104°45'10.624"W	2.89	
7036.00	16.350	164.690	6966.78	-425.50	425.03	-628.89	40°05'42.305"N	104°45'10.587"W	5.18	
7081.00	18.780	168.260	7009.68	-412.30	411.83	-625.74	40°05'42.175"N	104°45'10.547"W	5.90	
7111.00	22.750	170.590	7037.72	-401.84	401.37	-623.81	40°05'42.071"N	104°45'10.522"W	13.51	
7126.00	24.630	170.980	7051.46	-395.89	395.43	-622.84	40°05'42.013"N	104°45'10.509"W	12.58	
7171.00	30.300	172.380	7091.37	-375.36	374.90	-619.87	40°05'41.810"N	104°45'10.471"W	12.68	
7216.00	36.130	174.480	7129.01	-350.88	350.42	-617.08	40°05'41.568"N	104°45'10.435"W	13.20	
7261.00	42.540	176.170	7163.79	-322.46	322.00	-614.79	40°05'41.287"N	104°45'10.406"W	14.44	
7306.00	48.900	175.600	7195.19	-290.35	289.89	-612.47	40°05'40.970"N	104°45'10.376"W	14.16	
7351.00	55.470	176.340	7222.77	-254.90	254.44	-609.98	40°05'40.619"N	104°45'10.344"W	14.66	
7396.00	59.350	178.060	7247.00	-217.04	216.58	-608.14	40°05'40.245"N	104°45'10.320"W	9.20	

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Field	WELD COUNTY (KERR MCGEE)	Wellbore	BADDING 34N-2HZ AWB
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7441.00	61.440	176.670	7269.24	-177.96	177.50	-606.34	40°05'39.859"N	104°45'10.297"W	5.36	
7486.00	66.070	175.490	7289.13	-137.70	137.25	-603.57	40°05'39.461"N	104°45'10.261"W	10.55	
7531.00	71.140	177.190	7305.54	-95.90	95.45	-600.91	40°05'39.048"N	104°45'10.227"W	11.80	
7576.00	75.940	178.750	7318.29	-52.79	52.34	-599.39	40°05'38.622"N	104°45'10.208"W	11.17	
7621.00	78.100	182.000	7328.40	-8.95	8.50	-599.68	40°05'38.189"N	104°45'10.211"W	8.52	
7666.00	81.190	183.030	7336.49	35.27	-35.72	-601.62	40°05'37.752"N	104°45'10.236"W	7.23	
7710.00	86.360	183.690	7341.26	78.92	-79.37	-604.19	40°05'37.321"N	104°45'10.269"W	11.84	
7758.00†	87.386	183.621	7343.87	126.75	-127.20	-607.24	40°05'36.848"N	104°45'10.309"W	2.14	7" Casing Point
7870.00	89.780	183.460	7346.64	238.49	-238.95	-614.16	40°05'35.744"N	104°45'10.397"W	2.14	
7933.00	90.210	183.410	7346.65	301.37	-301.83	-617.93	40°05'35.122"N	104°45'10.446"W	0.69	
8026.00	90.360	183.440	7346.19	394.20	-394.67	-623.49	40°05'34.205"N	104°45'10.517"W	0.16	
8120.00	91.010	183.320	7345.06	488.02	-488.50	-629.03	40°05'33.278"N	104°45'10.589"W	0.70	
8214.00	90.610	181.710	7343.73	581.92	-582.39	-633.15	40°05'32.350"N	104°45'10.642"W	1.76	
8307.00	90.610	181.190	7342.74	674.88	-675.36	-635.51	40°05'31.431"N	104°45'10.672"W	0.56	
8401.00	90.920	181.220	7341.49	768.85	-769.33	-637.48	40°05'30.502"N	104°45'10.697"W	0.33	
8495.00	89.870	180.760	7340.84	862.83	-863.31	-639.11	40°05'29.574"N	104°45'10.718"W	1.22	
8588.00	90.330	180.860	7340.68	955.82	-956.30	-640.42	40°05'28.655"N	104°45'10.735"W	0.51	
8682.00	91.010	181.510	7339.58	1049.79	-1050.27	-642.37	40°05'27.726"N	104°45'10.760"W	1.00	
8775.00	90.550	180.610	7338.31	1142.76	-1143.25	-644.09	40°05'26.807"N	104°45'10.782"W	1.09	
8869.00	88.920	179.720	7338.75	1236.76	-1237.24	-644.36	40°05'25.878"N	104°45'10.786"W	1.98	
8963.00	88.950	179.510	7340.49	1330.74	-1331.22	-643.73	40°05'24.950"N	104°45'10.778"W	0.23	
9056.00	88.860	179.310	7342.27	1423.72	-1424.20	-642.77	40°05'24.031"N	104°45'10.765"W	0.24	
9150.00	88.920	179.280	7344.09	1517.69	-1518.18	-641.61	40°05'23.102"N	104°45'10.750"W	0.07	
9244.00	89.160	178.880	7345.67	1611.67	-1612.15	-640.10	40°05'22.173"N	104°45'10.731"W	0.50	
9337.00	89.130	178.830	7347.06	1704.64	-1705.12	-638.24	40°05'21.255"N	104°45'10.707"W	0.06	
9431.00	90.120	179.700	7347.67	1798.63	-1799.11	-637.04	40°05'20.326"N	104°45'10.691"W	1.40	
9521.00	90.150	179.800	7347.46	1888.63	-1889.11	-636.65	40°05'19.436"N	104°45'10.686"W	0.12	
9702.00	90.330	179.660	7346.70	2069.63	-2070.11	-635.79	40°05'17.648"N	104°45'10.675"W	0.13	
9881.00	89.930	180.300	7346.29	2248.63	-2249.10	-635.73	40°05'15.879"N	104°45'10.674"W	0.42	
9971.00	90.120	178.460	7346.26	2338.62	-2339.09	-634.76	40°05'14.990"N	104°45'10.662"W	2.06	
10061.00	91.350	178.570	7345.10	2428.58	-2429.05	-632.42	40°05'14.101"N	104°45'10.632"W	1.37	
10152.00	89.870	178.500	7344.13	2519.54	-2520.02	-630.10	40°05'13.202"N	104°45'10.602"W	1.63	
10332.00	90.640	178.740	7343.33	2699.49	-2699.96	-625.76	40°05'11.423"N	104°45'10.546"W	0.45	
10512.00	91.600	179.070	7339.81	2879.42	-2879.89	-622.32	40°05'09.645"N	104°45'10.502"W	0.56	
10602.00	89.660	178.680	7338.82	2969.40	-2969.86	-620.56	40°05'08.756"N	104°45'10.479"W	2.20	
10692.00	90.060	179.060	7339.04	3059.38	-3059.85	-618.78	40°05'07.867"N	104°45'10.456"W	0.61	
10872.00	90.770	179.450	7337.74	3239.36	-3239.83	-616.44	40°05'06.088"N	104°45'10.426"W	0.45	
10962.00	89.250	178.660	7337.72	3329.35	-3329.81	-614.96	40°05'05.199"N	104°45'10.407"W	1.90	
11142.00	89.440	178.740	7339.78	3509.29	-3509.75	-610.87	40°05'03.421"N	104°45'10.354"W	0.11	
11322.00	90.300	179.320	7340.19	3689.27	-3689.72	-607.83	40°05'01.642"N	104°45'10.315"W	0.58	
11412.00	89.900	179.960	7340.03	3779.26	-3779.72	-607.26	40°05'00.753"N	104°45'10.308"W	0.84	
11502.00	90.360	180.280	7339.83	3869.26	-3869.72	-607.45	40°04'59.864"N	104°45'10.310"W	0.62	
11592.00	89.630	180.250	7339.84	3959.26	-3959.72	-607.87	40°04'58.974"N	104°45'10.315"W	0.81	
11772.00	90.300	181.100	7339.95	4139.24	-4139.70	-609.99	40°04'57.196"N	104°45'10.343"W	0.60	
11862.00	89.840	180.880	7339.84	4229.23	-4229.69	-611.54	40°04'56.306"N	104°45'10.363"W	0.57	

Actual Wellpath Report

BADDING 34N-2HZ AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	KERR-MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#26 BADDING 34N-2HZ (2412'FSL & 851'FWL, SEC.35)
Area	COLORADO	Well	BADDING 34N-2HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	BADDING 34N-2HZ AWB
Facility	SEC.35-T2N-R66W		

WELLPATH DATA (161 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
11952.00	89.560	180.910	7340.31	4319.22	-4319.68	-612.95	40°04'55.417"N	104°45'10.381"W	0.31	
12042.00	88.760	181.010	7341.63	4409.19	-4409.65	-614.46	40°04'54.528"N	104°45'10.400"W	0.90	
12132.00	88.920	181.220	7343.45	4499.15	-4499.62	-616.21	40°04'53.639"N	104°45'10.422"W	0.29	
12312.00	88.790	181.380	7347.05	4679.07	-4679.54	-620.29	40°04'51.861"N	104°45'10.475"W	0.11	
12402.00	89.320	181.390	7348.53	4769.03	-4769.50	-622.46	40°04'50.972"N	104°45'10.503"W	0.59	
12492.00	89.470	181.580	7349.48	4858.99	-4859.46	-624.80	40°04'50.083"N	104°45'10.533"W	0.27	
12673.00	90.120	181.760	7350.13	5039.91	-5040.38	-630.07	40°04'48.295"N	104°45'10.601"W	0.37	
12763.00	90.270	181.720	7349.82	5129.86	-5130.34	-632.80	40°04'47.406"N	104°45'10.636"W	0.17	
12853.00	89.960	181.220	7349.64	5219.83	-5220.31	-635.11	40°04'46.517"N	104°45'10.665"W	0.65	
12942.00	89.100	180.220	7350.37	5308.82	-5309.30	-636.23	40°04'45.638"N	104°45'10.680"W	1.48	
13033.00	88.910	180.280	7351.95	5399.80	-5400.28	-636.63	40°04'44.738"N	104°45'10.685"W	0.22	
13123.00	89.010	179.780	7353.58	5489.79	-5490.27	-636.68	40°04'43.849"N	104°45'10.685"W	0.57	
13213.00	89.380	180.010	7354.85	5579.78	-5580.26	-636.51	40°04'42.960"N	104°45'10.683"W	0.48	
13393.00	89.280	179.820	7356.95	5759.77	-5760.25	-636.24	40°04'41.181"N	104°45'10.680"W	0.12	
13573.00	90.030	179.920	7358.04	5939.76	-5940.24	-635.84	40°04'39.402"N	104°45'10.675"W	0.42	
13753.00	89.720	180.200	7358.43	6119.76	-6120.24	-636.02	40°04'37.624"N	104°45'10.677"W	0.23	
13933.00	90.000	179.960	7358.87	6299.76	-6300.24	-636.27	40°04'35.845"N	104°45'10.680"W	0.20	
14023.00	90.270	180.190	7358.66	6389.76	-6390.24	-636.39	40°04'34.955"N	104°45'10.682"W	0.39	
14113.00	89.230	179.760	7359.05	6479.76	-6480.24	-636.35	40°04'34.066"N	104°45'10.681"W	1.25	
14293.00	89.500	179.790	7361.05	6659.75	-6660.22	-635.65	40°04'32.287"N	104°45'10.672"W	0.15	
14473.00	89.070	179.530	7363.29	6839.73	-6840.21	-634.58	40°04'30.509"N	104°45'10.658"W	0.28	
14653.00	89.380	179.610	7365.73	7019.71	-7020.18	-633.23	40°04'28.730"N	104°45'10.641"W	0.18	
14833.00	89.960	180.070	7366.76	7199.70	-7200.18	-632.73	40°04'26.951"N	104°45'10.634"W	0.41	
15013.00	89.930	180.200	7366.94	7379.70	-7380.18	-633.15	40°04'25.173"N	104°45'10.639"W	0.07	
15132.00	89.690	180.000	7367.33	7498.70	-7499.18	-633.36	40°04'23.997"N	104°45'10.642"W	0.26	Last BHI MWD+IFR Surveys
15188.00	89.690	180.000	7367.63	7554.70	-7555.18	-633.36	40°04'23.443"N	104°45'10.642"W	0.00	Projection to Bit

HOLE & CASING SECTIONS - Ref Wellbore: BADDING 34N-2HZ AWB Ref Wellpath: BADDING 34N-2HZ 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	13.00	1258.00	1245.00	13.00	1257.96	0.00	0.00	6.62	-0.14
9.625in Casing Surface	13.00	1248.00	1235.00	13.00	1247.96	0.00	0.00	6.47	-0.12
8.75in Open Hole	1258.00	7768.00	6510.00	1257.96	7344.31	6.62	-0.14	-137.17	-607.87
7in Casing Intermediate	13.00	7758.00	7745.00	13.00	7343.87	0.00	0.00	-127.20	-607.24
6.125in Open Hole	7768.00	15188.00	7420.00	7344.31	7367.63	-137.17	-607.87	-7555.18	-633.36

Actual Wellpath Report

BADDING 34N-2HZ AWP

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REFERENCE WELLPATH IDENTIFICATION				
Operator	KERR-MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#26 BADDING 34N-2HZ (2412'FSL & 851'FWL, SEC.35)	
Area	COLORADO	Well	BADDING 34N-2HZ	
Field	WELD COUNTY (KERR MCGEE)	Wellbore	BADDING 34N-2HZ AWB	
Facility	SEC.35-T2N-R66W			

TARGETS									
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
SEC.02-T1N-R66W HARDLINES (460' SETBACKS)		0.00	0.00	0.00	3209629.44	1277944.59	40°05'38.105"N	104°45'02.495"W	polygon
SEC.02-T1N-R66W SECTION LINES		0.00	0.00	0.00	3209629.44	1277944.59	40°05'38.105"N	104°45'02.495"W	polygon
SEC.35-T2N-R66W HARDLINES (460' SETBACKS)		0.00	0.00	0.00	3209629.44	1277944.59	40°05'38.105"N	104°45'02.495"W	polygon
SEC.35-T2N-R66W HARDLINES (460' SETBACKS) (SQUARE)		0.00	0.00	0.00	3209629.44	1277944.59	40°05'38.105"N	104°45'02.495"W	polygon
SEC.35-T2N-R66W SECTION LINES		0.00	0.00	0.00	3209629.44	1277944.59	40°05'38.105"N	104°45'02.495"W	polygon
Shafer W 35-6 Circle (Well path)		1174.00	1150.48	769.17	3210388.83	1279101.48	40°05'49.474"N	104°44'52.597"W	circle
Shafer 12-35 Circle (150' Circle)		6107.00	1086.72	-272.29	3209347.99	1279028.93	40°05'48.844"N	104°45'05.999"W	circle
BADDING 34N-2HZ BHL (1'FSL & 220'FWL, SEC.02) REV-2		7344.00	-7555.43	-624.68	3209068.65	1270384.46	40°04'23.441"N	104°45'10.530"W	point
BADDING 34N-2HZ BHL ON PLAT (1'FSL & 180'FWL, SEC.02) REV-1		7344.00	-7555.43	-664.66	3209028.67	1270384.12	40°04'23.441"N	104°45'11.045"W	point
BADDING 34N-2HZ LANDBOX		7344.00	0.00	0.00	3209629.44	1277944.59	40°05'38.105"N	104°45'02.495"W	polygon

WELLPATH COMPOSITION - Ref Wellbore: BADDING 34N-2HZ AWB Ref Wellpath: BADDING 34N-2HZ AWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
13.00	1153.00	Generic gyro - continuous (Standard)	MS ENERGY SERVICES GYRO SURVEYS <113-1153>	BADDING 34N-2HZ AWB
1153.00	7710.00	NaviTrak (MAGCORR,IFR)	BHI MWD+IFR SURVEYS 8 3/4" HOLE <1291-7710>	BADDING 34N-2HZ AWB
7710.00	15132.00	NaviTrak (MAGCORR,IFR)	BHI MWD+IFR SURVEYS 6 1/8" HOLE <7870-15132>	BADDING 34N-2HZ AWB
15132.00	15188.00	Blind Drilling (std)	Projection to bit	BADDING 34N-2HZ AWB

Actual Wellpath Report

BADDING 34N-2HZ AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR-MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#26 BADDING 34N-2HZ (2412'FSL & 851'FWL, SEC.35)
Area	COLORADO	Well	BADDING 34N-2HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	BADDING 34N-2HZ AWB
Facility	SEC.35-T2N-R66W		

WELLPATH COMMENTS				
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
13.00	0.000	137.460	13.00	Tie-On
113.00	0.150	137.460	113.00	Begin GYRO Surveys
1153.00	0.510	281.270	1152.97	Tie-Into GYRO Surveys
1291.00	1.170	359.180	1290.96	Begin BHI MWD+IFR Surveys
7758.00	87.386	183.621	7343.87	7" Casing Point
15132.00	89.690	180.000	7367.33	Last BHI MWD+IFR Surveys
15188.00	89.690	180.000	7367.63	Projection to Bit