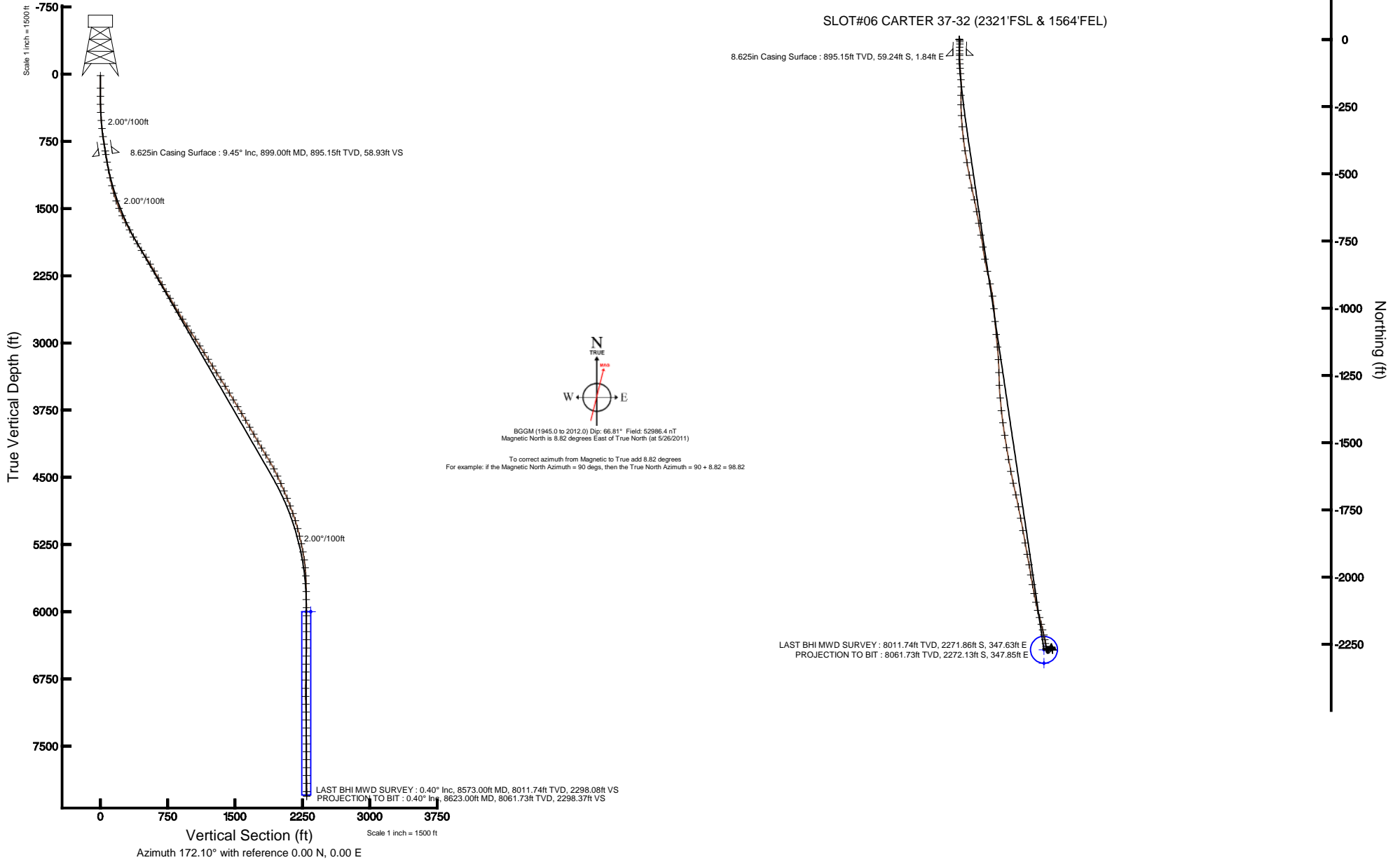
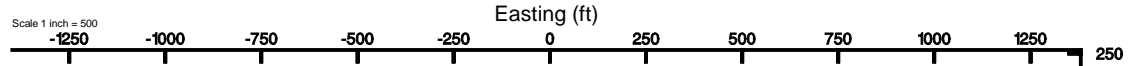


KERR MCGEE OIL & GAS ONSHORE LP

Location: COLORADO Slot: SLOT#06 CARTER 37-32 (2321'FSL & 1564'FEL)
 Field: WELD COUNTY (KERR MCGEE) Well: CARTER 37-32
 Facility: SEC.32-T2N-R66W Wellbore: CARTER 37-32 PWB



Plot reference wellpath is CARTER 37-32 (REV-A.1) PWP	
True vertical depths are referenced to XTREME 6 (RKB)	Grid System: NAD83 / Lambert Colorado SP, Northern Zone (501), US feet
Measured depths are referenced to XTREME 6 (RKB)	North Reference: True north
XTREME 6 (RKB) to Mean Sea Level: 4928 feet	Scale: True distance
Mean Sea Level to Mud line (At Slot: SLOT#06 CARTER 37-32 (2321'FSL & 1564'FEL)): 0 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: painsetr on 7/29/2011





Actual Wellpath Report

CARTER 37-32 AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#06 CARTER 37-32 (2321'FSL & 1564'FEL)
Area	COLORADO	Well	CARTER 37-32
Field	WELD COUNTY (KERR MCGEE)	Wellbore	CARTER 37-32 AWB
Facility	SEC.32-T2N-R66W		

REPORT SETUP INFORMATION

Projection System	NAD83 / Lambert Colorado SP, Northern Zone (501), US feet	Software System	WellArchitect® 3.0.0
North Reference	True	User	Painsetr
Scale	0.999961	Report Generated	7/20/2011 at 3:17:53 PM
Convergence at slot	0.45° East	Database/Source file	WA_Denver/CARTER_37-32_AWB.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-0.28	50.02	3196619.57	1277768.47	40°05'37.417"N	104°47'49.916"W
Facility Reference Pt			3196569.55	1277768.35	40°05'37.420"N	104°47'50.560"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 6 (RKB) to Facility Vertical Datum	4928.00ft
Horizontal Reference Pt	Slot	XTREME 6 (RKB) to Mean Sea Level	4928.00ft
Vertical Reference Pt	XTREME 6 (RKB)	XTREME 6 (RKB) to Mud Line at Slot (SLOT#06 CARTER 37-32 (2321'FSL & 1564'FEL))	4928.00ft
MD Reference Pt	XTREME 6 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	172.10°



Actual Wellpath Report

CARTER 37-32 AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#06 CARTER 37-32 (2321'FSL & 1564'FEL)
Area	COLORADO	Well	CARTER 37-32
Field	WELD COUNTY (KERR MCGEE)	Wellbore	CARTER 37-32 AWB
Facility	SEC.32-T2N-R66W		

WELLPATH DATA (98 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
0.00†	0.000	16.200	0.00	0.00	0.00	0.00	0.00	
16.00	0.000	16.200	16.00	0.00	0.00	0.00	0.00	
155.00	0.500	16.200	155.00	-0.55	0.58	0.17	0.36	
246.00	0.600	38.000	245.99	-1.25	1.34	0.57	0.25	
336.00	1.300	148.800	335.99	-0.64	0.84	1.39	1.79	
426.00	2.800	169.900	425.93	2.50	-2.20	2.31	1.84	
517.00	4.700	179.000	516.73	8.42	-8.12	2.76	2.18	
606.00	6.200	182.900	605.32	16.76	-16.56	2.58	1.74	
697.00	8.000	181.100	695.62	27.84	-27.80	2.21	1.99	
783.00	9.100	182.500	780.67	40.44	-40.58	1.80	1.30	
860.00	9.300	178.600	856.68	52.61	-52.88	1.69	0.85	
987.00	9.800	178.600	981.92	73.55	-73.95	2.20	0.39	
1076.00	10.700	176.900	1069.49	89.31	-89.77	2.83	1.07	
1164.00	11.400	176.900	1155.86	106.12	-106.61	3.75	0.80	
1255.00	13.900	175.500	1244.65	125.99	-126.49	5.09	2.77	
1342.00	16.000	175.500	1328.70	148.40	-148.87	6.85	2.41	
1431.00	19.100	180.400	1413.55	175.06	-175.66	7.71	3.86	
1521.00	22.300	181.800	1497.73	206.47	-207.46	7.07	3.60	
1609.00	25.000	179.000	1578.33	241.39	-242.75	6.87	3.32	
1698.00	27.600	176.900	1658.11	280.61	-282.15	8.32	3.10	
1788.00	28.700	175.100	1737.47	322.97	-324.50	11.29	1.54	
1878.00	30.100	173.000	1815.88	367.12	-368.43	15.89	1.93	
1967.00	30.700	171.600	1892.64	412.16	-413.06	21.92	1.04	
2054.00	31.600	170.200	1967.10	457.15	-457.49	29.05	1.33	
2144.00	32.900	168.800	2043.21	505.12	-504.71	37.81	1.67	
2235.00	30.500	168.500	2120.63	552.84	-551.59	47.22	2.64	
2324.00	30.600	167.800	2197.28	597.97	-595.86	56.51	0.42	
2413.00	30.700	169.500	2273.85	643.26	-640.34	65.43	0.98	
2500.00	29.800	170.200	2349.00	687.05	-683.48	73.16	1.11	
2590.00	30.000	169.500	2427.02	731.88	-727.64	81.07	0.45	



Actual Wellpath Report

CARTER 37-32 AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#06 CARTER 37-32 (2321'FSL & 1564'FEL)
Area	COLORADO	Well	CARTER 37-32
Field	WELD COUNTY (KERR MCGEE)	Wellbore	CARTER 37-32 AWB
Facility	SEC.32-T2N-R66W		

WELLPATH DATA (98 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
2679.00	31.000	171.600	2503.71	777.03	-772.20	88.47	1.64	
2768.00	30.800	170.600	2580.07	822.73	-817.35	95.54	0.62	
2858.00	30.900	166.000	2657.35	868.74	-862.51	104.90	2.62	
2949.00	31.600	168.100	2735.15	915.76	-908.52	115.46	1.42	
3038.00	32.500	171.300	2810.59	962.94	-954.97	123.89	2.16	
3126.00	32.400	174.800	2884.86	1010.13	-1001.82	129.60	2.14	
3213.00	33.800	175.500	2957.74	1057.57	-1049.16	133.62	1.67	
3302.00	31.600	174.400	3032.63	1105.59	-1097.05	137.83	2.56	
3391.00	32.000	174.800	3108.27	1152.44	-1143.74	142.25	0.51	
3480.00	32.700	176.500	3183.46	1199.97	-1191.23	145.85	1.29	
3569.00	32.600	178.600	3258.39	1247.76	-1239.19	147.90	1.28	
3658.00	31.600	177.600	3333.79	1294.79	-1286.46	149.47	1.27	
3746.00	33.200	174.800	3408.09	1341.81	-1333.49	152.62	2.49	
3835.00	31.400	174.100	3483.32	1389.33	-1380.83	157.21	2.07	
3923.00	31.200	172.300	3558.51	1435.03	-1426.22	162.62	1.09	
4013.00	31.400	171.600	3635.41	1481.79	-1472.51	169.17	0.46	
4103.00	31.000	171.000	3712.39	1528.41	-1518.60	176.22	0.56	
4191.00	30.000	169.200	3788.22	1573.04	-1562.59	183.89	1.54	
4280.00	30.800	169.500	3864.98	1618.02	-1606.85	192.21	0.91	
4370.00	29.900	167.800	3942.65	1663.41	-1651.44	201.15	1.38	
4459.00	29.900	167.000	4019.80	1707.63	-1694.73	210.83	0.45	
4549.00	29.800	169.200	4097.86	1752.31	-1738.56	220.06	1.22	
4637.00	30.100	168.500	4174.11	1796.17	-1781.66	228.56	0.52	
4727.00	31.900	170.200	4251.26	1842.46	-1827.22	237.11	2.22	
4817.00	30.200	170.200	4328.36	1888.86	-1872.96	245.01	1.89	
4907.00	27.800	169.200	4407.07	1932.45	-1915.88	252.79	2.72	
4997.00	24.900	169.900	4487.71	1972.35	-1955.16	260.05	3.24	
5088.00	23.800	171.300	4570.61	2009.85	-1992.17	266.19	1.37	
5178.00	23.900	169.500	4652.93	2046.22	-2028.05	272.26	0.82	
5267.00	21.500	168.800	4735.03	2080.52	-2061.78	278.71	2.71	



Actual Wellpath Report

CARTER 37-32 AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#06 CARTER 37-32 (2321'FSL & 1564'FEL)
Area	COLORADO	Well	CARTER 37-32
Field	WELD COUNTY (KERR MCGEE)	Wellbore	CARTER 37-32 AWB
Facility	SEC.32-T2N-R66W		

WELLPATH DATA (98 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
5358.00	20.800	168.500	4819.90	2113.30	-2093.97	285.17	0.78	
5448.00	20.100	166.000	4904.23	2144.62	-2124.64	292.10	1.24	
5534.00	17.100	165.300	4985.73	2171.88	-2151.21	298.88	3.50	
5625.00	15.200	166.300	5073.13	2197.03	-2175.75	305.11	2.11	
5713.00	13.500	166.300	5158.38	2218.73	-2196.94	310.27	1.93	
5801.00	12.500	168.500	5244.13	2238.45	-2216.25	314.60	1.27	
5891.00	10.500	167.800	5332.32	2256.35	-2233.81	318.28	2.23	
5982.00	7.900	170.900	5422.14	2270.88	-2248.09	321.02	2.91	
6072.00	5.600	174.400	5511.51	2281.45	-2258.57	322.43	2.59	
6161.00	3.300	179.700	5600.24	2288.33	-2265.45	322.86	2.62	
6250.00	1.200	125.600	5689.17	2291.51	-2268.56	323.63	3.11	
6338.00	0.800	151.900	5777.16	2292.72	-2269.64	324.67	0.68	
6427.00	1.100	132.900	5866.14	2293.97	-2270.77	325.59	0.48	
6518.00	1.400	115.000	5957.12	2295.25	-2271.83	327.24	0.54	
6607.00	0.400	77.100	6046.11	2295.81	-2272.22	328.53	1.25	
6697.00	0.700	70.400	6136.11	2295.67	-2271.97	329.35	0.34	
6786.00	1.100	80.900	6225.10	2295.54	-2271.65	330.71	0.48	
6876.00	1.200	90.200	6315.08	2295.66	-2271.52	332.50	0.23	
6967.00	1.500	67.200	6406.05	2295.49	-2271.06	334.55	0.67	
7057.00	2.300	28.500	6496.01	2293.73	-2269.01	336.50	1.63	
7148.00	2.000	40.800	6586.94	2291.21	-2266.21	338.41	0.60	
7236.00	1.600	29.200	6674.90	2289.22	-2263.97	340.01	0.61	
7326.00	1.100	8.100	6764.87	2287.39	-2262.02	340.75	0.77	
7417.00	1.400	69.700	6855.86	2286.31	-2260.77	341.91	1.43	
7507.00	1.100	114.700	6945.84	2286.54	-2260.75	343.73	1.11	
7595.00	1.300	202.600	7033.82	2287.85	-2262.02	344.11	1.90	
7683.00	1.700	153.700	7121.80	2289.95	-2264.12	344.31	1.47	
7772.00	1.100	148.400	7210.77	2291.99	-2266.03	345.34	0.69	
7861.00	0.900	183.200	7299.76	2293.45	-2267.45	345.75	0.71	
7949.00	0.400	189.200	7387.75	2294.42	-2268.45	345.66	0.57	



Actual Wellpath Report

CARTER 37-32 AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#06 CARTER 37-32 (2321'FSL & 1564'FEL)
Area	COLORADO	Well	CARTER 37-32
Field	WELD COUNTY (KERR MCGEE)	Wellbore	CARTER 37-32 AWB
Facility	SEC.32-T2N-R66W		

WELLPATH DATA (98 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
8038.00	0.400	167.800	7476.75	2295.03	-2269.06	345.68	0.17	
8127.00	0.400	175.100	7565.75	2295.65	-2269.67	345.77	0.06	
8215.00	0.200	126.600	7653.75	2296.07	-2270.07	345.92	0.35	
8304.00	0.200	147.400	7742.74	2296.32	-2270.29	346.13	0.08	
8391.00	0.700	138.600	7829.74	2296.90	-2270.82	346.56	0.58	
8480.00	0.400	127.000	7918.74	2297.57	-2271.41	347.17	0.36	
8573.00	0.400	140.700	8011.74	2298.08	-2271.86	347.63	0.10	LAST BHI MWD SURVEY
8623.00	0.400	140.700	8061.73	2298.37	-2272.13	347.85	0.00	PROJECTION TO BIT

HOLE & CASING SECTIONS - Ref Wellbore: CARTER 37-32 AWB Ref Wellpath: CARTER 37-32 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]
8.625in Casing Surface	16.00	899.00	883.00	16.00	895.15	0.00	0.00	-59.24	1.84



Actual Wellpath Report

CARTER 37-32 AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#06 CARTER 37-32 (2321'FSL & 1564'FEL)
Area	COLORADO	Well	CARTER 37-32
Field	WELD COUNTY (KERR MCGEE)	Wellbore	CARTER 37-32 AWB
Facility	SEC.32-T2N-R66W		

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
CARTER 37-32 GEO TARGET 50' RADIUS (50'FSL & 1255'FEL, REV-1)		6000.00	-2270.98	315.05	3196952.59	1275500.15	40°05'14.975"N	104°47'45.863"W	circle
CARTER 37-32 HARDLINE 50'S OF GEO TARGET		6000.00	-2321.00	315.06	3196953.00	1275450.13	40°05'14.481"N	104°47'45.863"W	point

WELLPATH COMPOSITION - Ref Wellbore: CARTER 37-32 AWB Ref Wellpath: CARTER 37-32 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
16.00	860.00	NaviTrak (Standard)	BHI MWD SURVEYS 12 1/4 HOLE<155-860>	CARTER 37-32 AWB
860.00	8573.00	NaviTrak (Standard)	BHI MWD SURVEYS 7 7/8 HOLE<987-8573>	CARTER 37-32 AWB
8573.00	8623.00	Blind Drilling (std)	Projection to bit	CARTER 37-32 AWB



Actual Wellpath Report

CARTER 37-32 AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#06 CARTER 37-32 (2321'FSL & 1564'FEL)
Area	COLORADO	Well	CARTER 37-32
Field	WELD COUNTY (KERR MCGEE)	Wellbore	CARTER 37-32 AWB
Facility	SEC.32-T2N-R66W		

WELLPATH COMMENTS				
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
8573.00	0.400	140.700	8011.74	LAST BHI MWD SURVEY
8623.00	0.400	140.700	8061.73	PROJECTION TO BIT