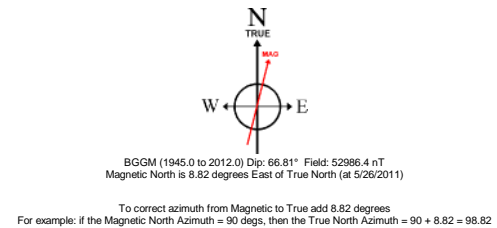
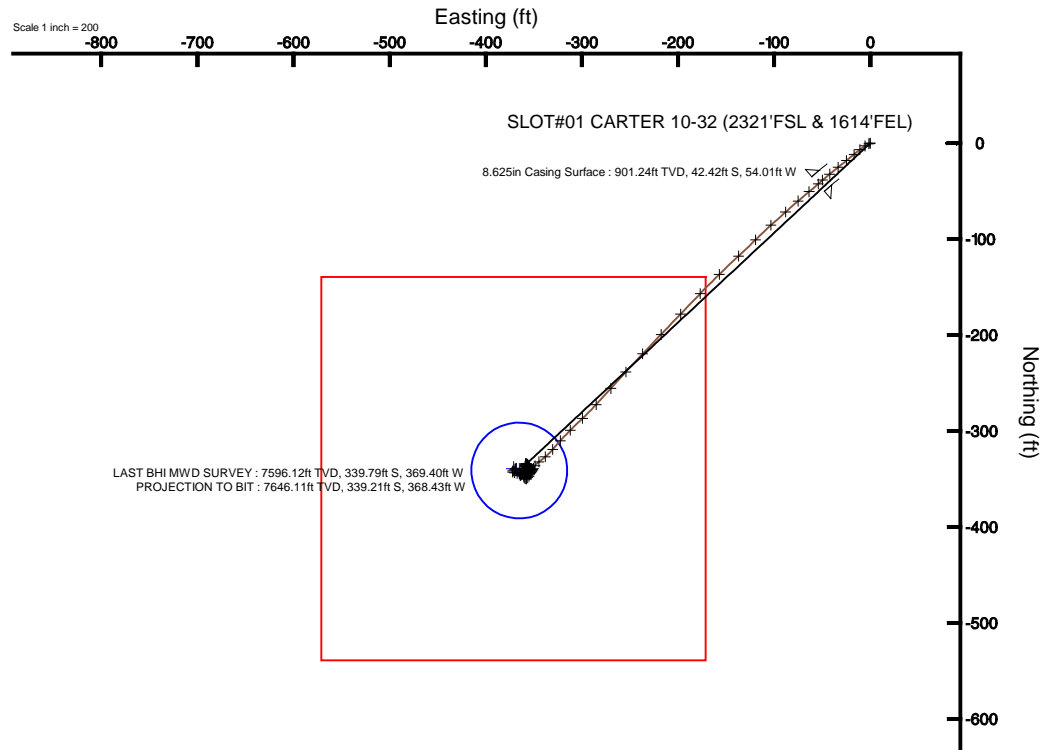
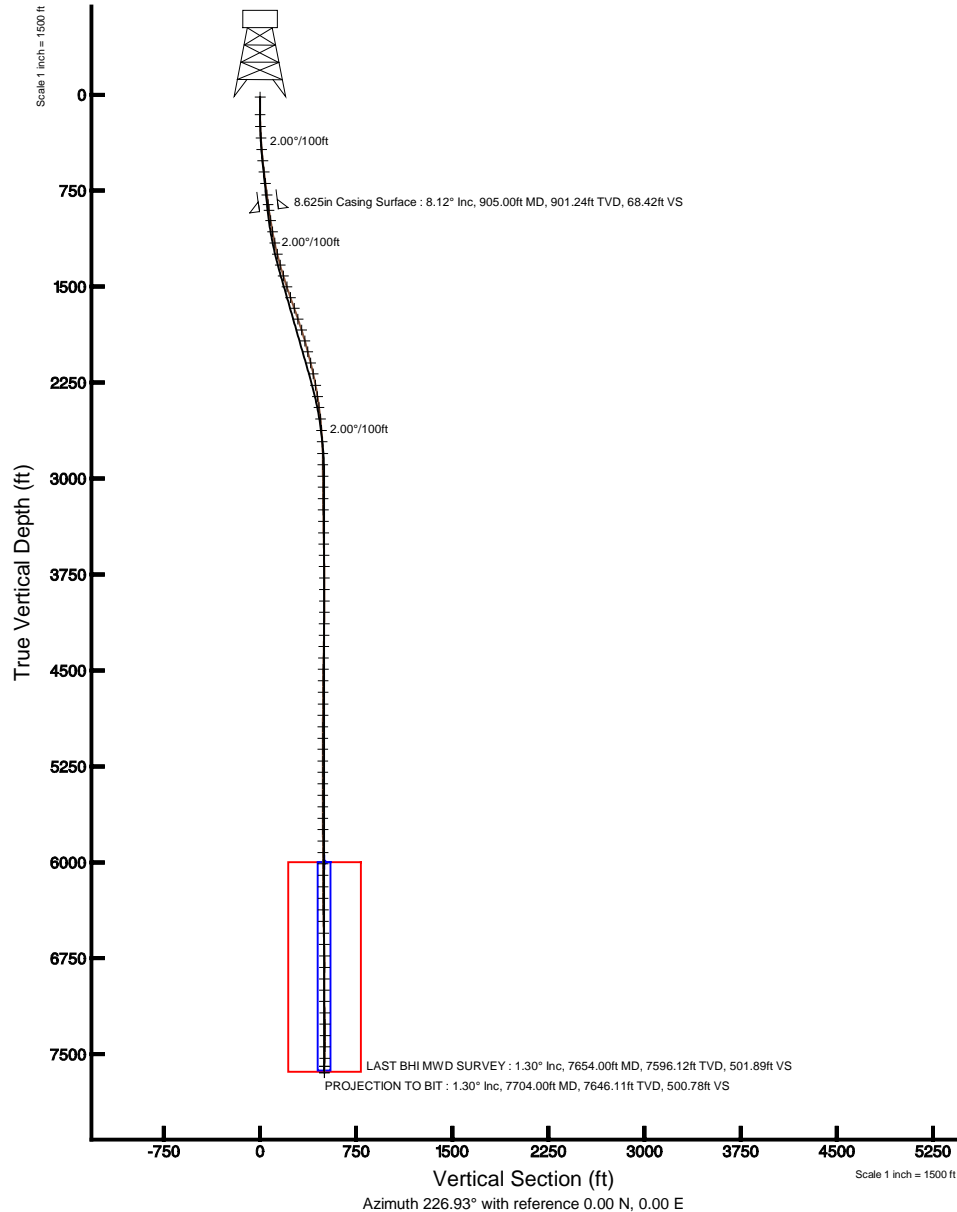


# KERR MCGEE OIL & GAS ONSHORE LP

Location: COLORADO Slot: SLOT#01 CARTER 10-32 (2321'FSL & 1614'FEL)  
 Field: WELD COUNTY (KERR MCGEE) Well: CARTER 10-32  
 Facility: SEC.32-T2N-R66W Wellbore: CARTER 10-32 PWB

Plot reference wellpath is CARTER 10-32 (REV-B.0) 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#01 CARTER 10-32 (2321'FSL & 1614'FEL)): 0 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: painsetr on 7/20/2011





# Actual Wellpath Report

CARTER 10-32 AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#01 CARTER 10-32 (2321'FSL & 1614'FEL)
Area	COLORADO	Well	CARTER 10-32
Field	WELD COUNTY (KERR MCGEE)	Wellbore	CARTER 10-32 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 1:16:23 PM
Convergence at slot	0.45° East	Database/Source file	WA_Denver/CARTER_10-32_AWB.xml

## WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	0.08	-0.06	3196569.49	1277768.43	40°05'37.421"N	104°47'50.561"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#01 CARTER 10-32 (2321'FSL & 1614'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	226.93°



# Actual Wellpath Report

CARTER 10-32 AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#01 CARTER 10-32 (2321'FSL & 1614'FEL)
Area	COLORADO	Well	CARTER 10-32
Field	WELD COUNTY (KERR MCGEE)	Wellbore	CARTER 10-32 AWB
Facility	SEC.32-T2N-R66W		

## WELLPATH DATA (88 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
0.00†	0.000	347.400	0.00	0.00	0.00	0.00	0.00	
16.00	0.000	347.400	16.00	0.00	0.00	0.00	0.00	
155.00	0.100	347.400	155.00	-0.06	0.12	-0.03	0.07	
246.00	1.900	245.100	245.98	1.33	-0.44	-1.41	2.11	
336.00	3.800	236.000	335.87	5.69	-2.74	-5.24	2.16	
427.00	4.400	232.800	426.64	12.14	-6.53	-10.52	0.71	
515.00	6.000	230.100	514.27	20.10	-11.52	-16.74	1.84	
604.00	7.100	231.000	602.69	30.23	-17.97	-24.58	1.24	
694.00	7.200	230.700	691.99	41.40	-25.04	-33.27	0.12	
785.00	7.100	231.700	782.28	52.70	-32.14	-42.09	0.18	
861.00	7.600	227.900	857.66	62.40	-38.42	-49.51	0.92	
988.00	9.100	230.300	983.31	80.83	-50.47	-63.47	1.21	
1076.00	10.600	229.300	1070.01	95.86	-60.19	-74.96	1.72	
1165.00	12.100	227.900	1157.26	113.37	-71.78	-88.09	1.71	
1255.00	14.000	228.200	1244.94	133.69	-85.36	-103.20	2.11	
1343.00	15.300	225.000	1330.07	155.93	-100.67	-119.35	1.74	
1431.00	17.000	227.200	1414.60	180.40	-117.62	-137.00	2.05	
1522.00	18.400	225.600	1501.29	208.06	-136.71	-157.02	1.63	
1610.00	19.200	223.600	1584.60	236.40	-156.91	-176.92	1.17	
1699.00	19.500	224.000	1668.57	265.84	-178.19	-197.34	0.37	
1789.00	18.500	223.300	1753.66	295.09	-199.39	-217.56	1.14	
1879.00	17.600	223.600	1839.23	322.93	-219.63	-236.74	1.01	
1968.00	16.000	222.200	1924.43	348.59	-238.46	-254.26	1.85	
2055.00	15.100	222.200	2008.25	371.83	-255.74	-269.93	1.03	
2145.00	14.100	222.600	2095.34	394.44	-272.50	-285.22	1.12	
2234.00	12.000	226.500	2182.04	414.51	-286.85	-299.27	2.56	
2324.00	11.000	225.100	2270.23	432.45	-299.35	-312.14	1.15	
2413.00	8.400	221.900	2357.95	447.41	-310.18	-322.50	2.98	
2501.00	7.600	219.800	2445.09	459.59	-319.44	-330.52	0.97	
2591.00	6.200	230.700	2534.44	470.35	-327.09	-338.09	2.12	



# Actual Wellpath Report

CARTER 10-32 AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#01 CARTER 10-32 (2321'FSL & 1614'FEL)
Area	COLORADO	Well	CARTER 10-32
Field	WELD COUNTY (KERR MCGEE)	Wellbore	CARTER 10-32 AWB
Facility	SEC.32-T2N-R66W		

## WELLPATH DATA (88 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
2680.00	4.600	233.800	2623.05	478.69	-332.24	-344.69	1.83	
2770.00	2.900	213.800	2712.85	484.49	-336.26	-348.87	2.36	
2861.00	1.400	197.600	2803.79	487.70	-339.24	-350.48	1.76	
2950.00	0.500	227.500	2892.78	489.03	-340.54	-351.10	1.12	
3038.00	0.800	212.800	2980.77	490.01	-341.31	-351.71	0.39	
3125.00	0.500	214.500	3067.76	490.97	-342.14	-352.26	0.35	
3214.00	0.400	205.700	3156.76	491.64	-342.74	-352.61	0.14	
3303.00	0.700	221.500	3245.76	492.47	-343.42	-353.11	0.37	
3392.00	0.800	201.500	3334.75	493.57	-344.41	-353.70	0.31	
3481.00	1.100	204.700	3423.74	494.93	-345.76	-354.28	0.34	
3570.00	1.200	218.400	3512.72	496.64	-347.27	-355.22	0.33	
3658.00	1.500	221.500	3600.69	498.70	-348.85	-356.55	0.35	
3746.00	0.400	235.300	3688.68	500.15	-349.89	-357.57	1.27	
3835.00	0.500	278.100	3777.68	500.70	-350.01	-358.21	0.38	
3925.00	0.800	299.200	3867.67	501.14	-349.65	-359.14	0.42	
4015.00	0.600	318.900	3957.67	501.31	-348.99	-360.00	0.34	
4103.00	1.100	343.500	4045.66	500.92	-347.83	-360.55	0.69	
4192.00	1.400	357.900	4134.64	499.82	-345.93	-360.83	0.49	
4282.00	1.700	0.500	4224.60	498.18	-343.49	-360.86	0.34	
4371.00	1.300	6.400	4313.57	496.50	-341.17	-360.73	0.48	
4461.00	1.900	20.800	4403.54	494.39	-338.76	-360.09	0.80	
4549.00	0.800	34.900	4491.51	492.48	-336.89	-359.22	1.30	
4639.00	0.600	0.500	4581.51	491.54	-335.91	-358.86	0.51	
4729.00	0.400	5.000	4671.50	490.98	-335.12	-358.82	0.23	
4820.00	0.400	22.600	4762.50	490.45	-334.51	-358.67	0.13	
4910.00	0.200	55.300	4852.50	490.01	-334.13	-358.42	0.28	
4999.00	0.400	92.500	4941.50	489.64	-334.06	-357.99	0.30	
5089.00	0.400	134.000	5031.50	489.41	-334.29	-357.45	0.31	
5175.00	0.400	136.800	5117.49	489.39	-334.72	-357.03	0.02	
5267.00	0.400	149.800	5209.49	489.46	-335.23	-356.64	0.10	



# Actual Wellpath Report

CARTER 10-32 AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#01 CARTER 10-32 (2321'FSL & 1614'FEL)
Area	COLORADO	Well	CARTER 10-32
Field	WELD COUNTY (KERR MCGEE)	Wellbore	CARTER 10-32 AWB
Facility	SEC.32-T2N-R66W		

## WELLPATH DATA (88 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
5354.00	0.300	112.600	5296.49	489.43	-335.58	-356.28	0.28	
5444.00	0.300	142.400	5386.49	489.36	-335.86	-355.92	0.17	
5534.00	0.300	169.900	5476.49	489.51	-336.27	-355.73	0.16	
5625.00	0.400	127.300	5567.49	489.59	-336.70	-355.44	0.30	
5714.00	0.200	181.100	5656.48	489.64	-337.05	-355.20	0.36	
5802.00	0.400	145.600	5744.48	489.80	-337.45	-355.03	0.30	
5891.00	0.400	186.400	5833.48	490.08	-338.02	-354.88	0.31	
5982.00	0.400	122.000	5924.48	490.24	-338.50	-354.65	0.47	
6071.00	0.400	159.000	6013.48	490.28	-338.96	-354.28	0.29	
6161.00	0.300	130.800	6103.48	490.37	-339.40	-353.98	0.22	
6250.00	0.500	204.700	6192.47	490.70	-339.91	-353.97	0.57	
6340.00	0.400	239.500	6282.47	491.37	-340.42	-354.41	0.32	
6431.00	1.000	246.900	6373.46	492.43	-340.90	-355.41	0.67	
6521.00	1.200	237.400	6463.45	494.09	-341.71	-356.93	0.30	
6612.00	1.900	238.400	6554.41	496.51	-343.02	-359.01	0.77	
6700.00	2.400	240.900	6642.35	499.73	-344.68	-361.87	0.58	
6790.00	1.100	227.900	6732.31	502.42	-346.17	-364.15	1.50	
6881.00	0.900	74.900	6823.30	502.66	-346.57	-364.11	2.14	
6971.00	0.500	23.600	6913.30	501.68	-346.03	-363.27	0.78	
7059.00	0.600	302.400	7001.29	501.44	-345.43	-363.51	0.82	
7147.00	1.400	287.600	7089.28	502.08	-344.86	-364.92	0.95	
7236.00	1.800	279.500	7178.24	503.46	-344.30	-367.34	0.52	
7325.00	1.900	279.900	7267.20	505.20	-343.81	-370.17	0.11	
7413.00	1.000	320.300	7355.17	506.04	-342.97	-372.10	1.49	
7502.00	1.000	45.100	7444.16	505.21	-341.83	-372.04	1.52	
7591.00	1.400	52.800	7533.14	503.36	-340.62	-370.63	0.48	
7654.00	1.300	59.100	7596.12	501.89	-339.79	-369.40	0.28	LAST BHI MWD SURVEY
7704.00	1.300	59.100	7646.11	500.78	-339.21	-368.43	0.00	PROJECTION TO BIT



# Actual Wellpath Report

CARTER 10-32 AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#01 CARTER 10-32 (2321'FSL & 1614'FEL)
Area	COLORADO	Well	CARTER 10-32
Field	WELD COUNTY (KERR MCGEE)	Wellbore	CARTER 10-32 AWB
Facility	SEC.32-T2N-R66W		

## HOLE & CASING SECTIONS - Ref Wellbore: CARTER 10-32 AWB Ref Wellpath: CARTER 10-32 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	905.00	889.00	16.00	901.24	0.00	0.00	-42.42	-54.01

## TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
CARTER 10-32 GEO TARGET 50' RADIUS (1980'FSL & 1980'FEL, REV-1)		6000.00	-341.30	-365.13	3196207.08	1277424.27	40°05'34.048"N	104°47'55.259"W	circle
CARTER 10-32 LEGAL BOX (198'S,202'N, 206'W, 194'E OF THE GEO TARGET)		6000.00	-339.34	-371.12	3196201.08	1277426.18	40°05'34.067"N	104°47'55.336"W	square

## WELLPATH COMPOSITION - Ref Wellbore: CARTER 10-32 AWB Ref Wellpath: CARTER 10-32 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
16.00	861.00	NaviTrak (Standard)	BHI MWD SURVEYS 12 1/4 HOLE<155-861>	CARTER 10-32 AWB
861.00	7654.00	NaviTrak (Standard)	BHI MWD SURVEYS 7 7/8 HOLE<988-7654>	CARTER 10-32 AWB
7654.00	7704.00	Blind Drilling (std)	Projection to bit	CARTER 10-32 AWB



# Actual Wellpath Report

CARTER 10-32 AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#01 CARTER 10-32 (2321'FSL & 1614'FEL)
Area	COLORADO	Well	CARTER 10-32
Field	WELD COUNTY (KERR MCGEE)	Wellbore	CARTER 10-32 AWB
Facility	SEC.32-T2N-R66W		

## WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
7654.00	1.300	59.100	7596.12	LAST BHI MWD SURVEY
7704.00	1.300	59.100	7646.11	PROJECTION TO BIT