

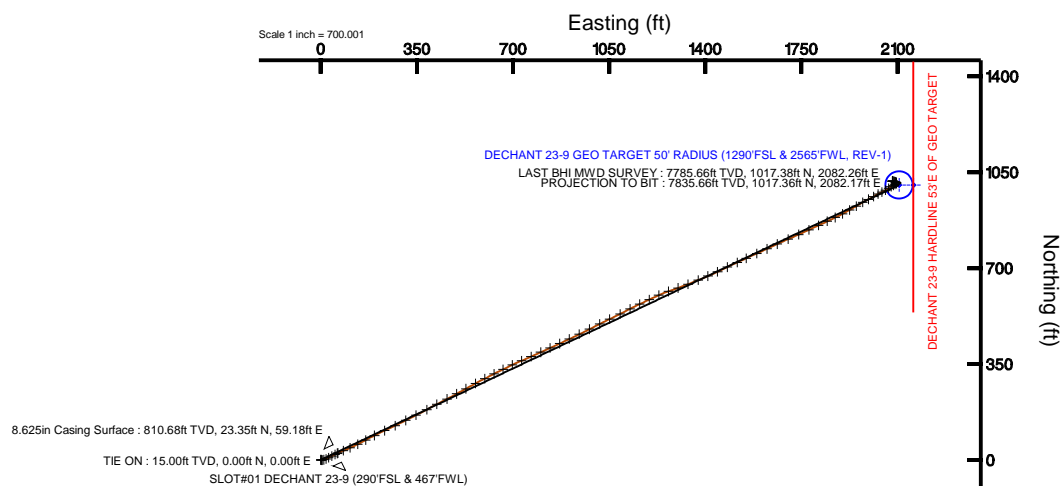
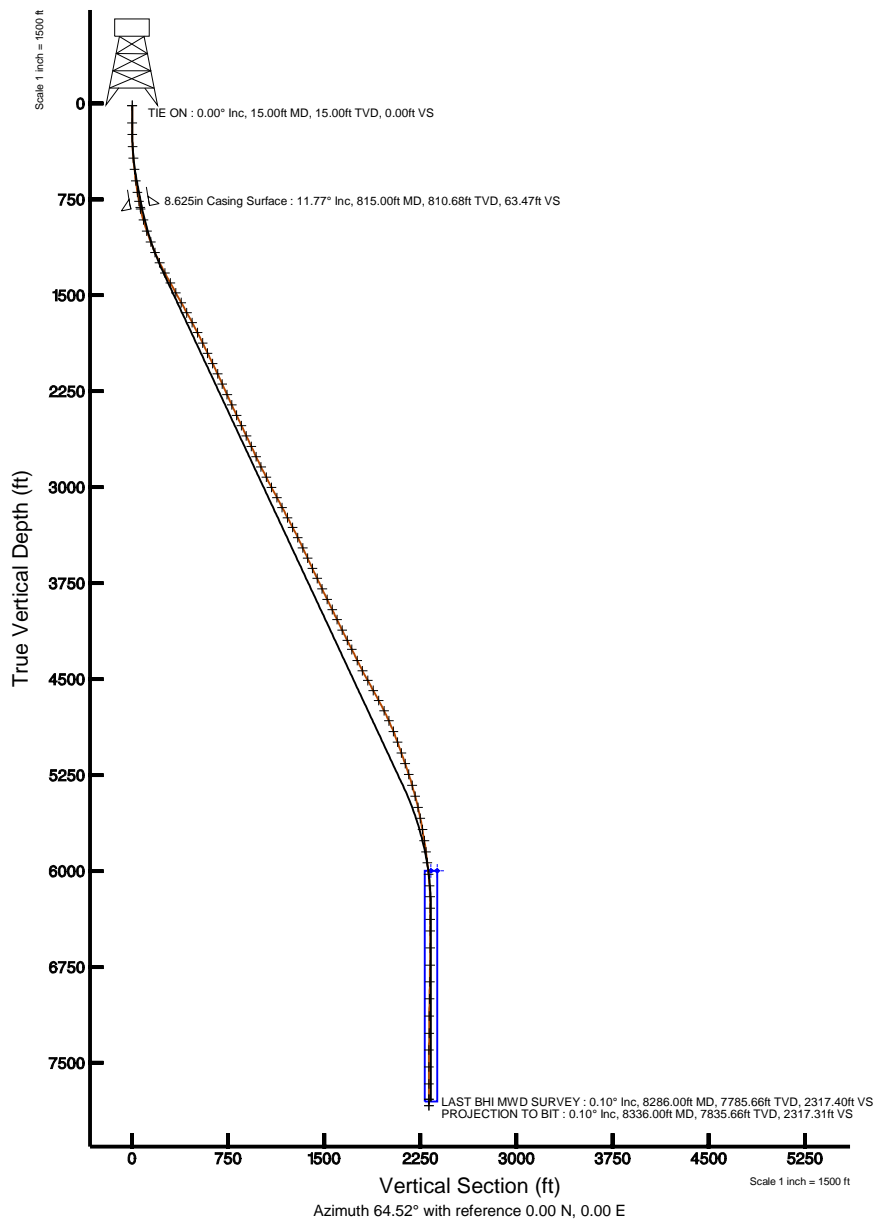
# KERR MCGEE OIL & GAS ONSHORE LP

Location: COLORADO Slot: SLOT#01 DECHANT 23-9 (290°FSL & 467°FWL)  
 Field: WELD COUNTY (KERR MCGEE) Well: DECHANT 23-9  
 Facility: SEC.09-T2N-R65W Wellbore: DECHANT 23-9 PWB



Plot reference wellpath is DECHANT 23-9 (REV-A.0) PWP

True vertical depths are referenced to XTREME 15 (RKB)	Grid System: NAD83 / Lambert Colorado State Planes, Northern Zone (501), US feet
Measured depths are referenced to XTREME 15 (RKB)	North Reference: True north
XTREME 15 (RKB) to Mean Sea Level: 4909 feet	Scale: True distance
Mean Sea Level to Mud line (Facility: SEC.09-T2N-R65W): 0 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: painsetr on 3/24/2011



BGGM (1945.0 to 2012.0) Dip: 66.89° Field: 53062.1 nT  
 Magnetic North is 8.81 degrees East of True North (at 2/7/2011)

To correct azimuth from Magnetic to True add 8.81 degrees  
 For example: if the Magnetic North Azimuth = 90 degs, then the Grid North Azimuth = 90 + 8.81 = 98.81



# Actual Wellpath Report

DECHANT 23-9 AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	<b>KERR MCGEE OIL &amp; GAS ONSHORE LP</b>	Slot	<b>SLOT#01 DECHANT 23-9 (290'FSL &amp; 467'FWL)</b>
Area	<b>COLORADO</b>	Well	<b>DECHANT 23-9</b>
Field	<b>WELD COUNTY (KERR MCGEE)</b>	Wellbore	<b>DECHANT 23-9 AWB</b>
Facility	<b>SEC.09-T2N-R65W</b>		

## REPORT SETUP INFORMATION

Projection System	<b>NAD83 / Lambert Colorado State Planes, Northern Zone (501), US feet</b>	Software System	<b>WellArchitect® 2.0</b>
North Reference	<b>True</b>	User	<b>Painsetr</b>
Scale	<b>0.999958</b>	Report Generated	<b>3/24/2011 at 11:38:25 AM</b>
Convergence at slot	<b>0.53° East</b>	Database/Source file	<b>WA_DENVER/DECHANT_23-9_AWB.xml</b>

## WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[USft]	Northing[USft]	Latitude	Longitude
Slot Location	0.00	0.00	3230146.88	1297375.76	<b>40°08'48.329"N</b>	<b>104°40'36.170"W</b>
Facility Reference Pt			3230146.88	1297375.76	<b>40°08'48.329"N</b>	<b>104°40'36.170"W</b>
Field Reference Pt			<b>3197771.84</b>	<b>1268891.29</b>	40°04'09.600"N	104°47'36.000"W

## WELLPATH DATUM

Calculation method	<b>Minimum curvature</b>	XTREME 15 (RKB) to Facility Vertical Datum	<b>4909.00ft</b>
Horizontal Reference Pt	<b>Slot</b>	XTREME 15 (RKB) to Mean Sea Level	<b>4909.00ft</b>
Vertical Reference Pt	<b>XTREME 15 (RKB)</b>	Facility Vertical Datum to Mud Line (Facility)	<b>0.00ft</b>
MD Reference Pt	<b>XTREME 15 (RKB)</b>	Section Origin	<b>N 0.00, E 0.00 ft</b>
Field Vertical Reference	<b>Mean Sea Level</b>	Section Azimuth	<b>64.52°</b>



# Actual Wellpath Report

DECHANT 23-9 AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#01 DECHANT 23-9 (290'FSL & 467'FWL)
Area	COLORADO	Well	DECHANT 23-9
Field	WELD COUNTY (KERR MCGEE)	Wellbore	DECHANT 23-9 AWB
Facility	SEC.09-T2N-R65W		

## WELLPATH DATA (91 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
0.00†	0.000	161.390	0.00	0.00	0.00	0.00	0.00	
15.00	0.000	161.390	15.00	0.00	0.00	0.00	0.00	TIE ON
151.00	0.530	161.390	151.00	-0.08	-0.60	0.20	0.39	
242.00	0.970	99.510	241.99	0.51	-1.12	1.09	0.94	
337.00	3.160	85.450	336.92	3.61	-1.05	4.50	2.35	
427.00	4.660	73.850	426.71	9.54	0.17	10.48	1.88	
516.00	6.240	65.760	515.31	17.94	3.16	18.37	1.97	
606.00	7.210	60.840	604.69	28.47	7.92	27.76	1.25	
696.00	9.400	64.360	693.74	41.45	13.85	39.32	2.50	
768.00	10.990	64.710	764.60	54.20	19.33	50.83	2.21	
829.00	12.000	63.700	824.38	66.35	24.62	61.77	1.69	
917.00	15.900	68.600	909.77	87.53	33.08	81.20	4.63	
1008.00	18.700	66.100	996.65	114.55	43.54	106.15	3.18	
1098.00	20.700	62.600	1081.38	144.88	56.70	133.46	2.58	
1187.00	23.100	62.200	1163.95	178.05	72.09	162.88	2.70	
1275.00	25.800	63.000	1244.05	214.45	88.84	195.22	3.09	
1365.00	28.000	65.400	1324.31	255.15	106.52	231.88	2.73	
1454.00	28.900	63.700	1402.56	297.55	124.75	270.16	1.36	
1543.00	29.200	63.700	1480.36	340.76	143.90	308.90	0.34	
1630.00	28.700	62.600	1556.49	382.86	162.92	346.47	0.84	
1721.00	29.000	61.900	1636.20	426.73	183.36	385.33	0.50	
1808.00	28.200	62.600	1712.58	468.35	202.75	422.18	1.00	
1897.00	27.400	62.200	1791.31	509.82	221.98	458.97	0.92	
1987.00	25.800	61.900	1871.78	550.08	240.87	494.57	1.78	
2076.00	25.700	60.500	1951.94	588.68	259.49	528.45	0.69	
2166.00	26.200	61.200	2032.87	627.98	278.67	562.84	0.65	
2256.00	25.200	63.700	2113.97	666.98	296.74	597.43	1.64	
2344.00	24.500	61.900	2193.82	703.94	313.63	630.32	1.17	
2435.00	24.400	64.400	2276.66	741.59	330.64	663.92	1.14	
2523.00	24.700	64.700	2356.71	778.15	346.35	696.94	0.37	



# Actual Wellpath Report

DECHANT 23-9 AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#01 DECHANT 23-9 (290'FSL & 467'FWL)
Area	COLORADO	Well	DECHANT 23-9
Field	WELD COUNTY (KERR MCGEE)	Wellbore	DECHANT 23-9 AWB
Facility	SEC.09-T2N-R65W		

## WELLPATH DATA (91 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
2612.00	25.000	66.500	2437.47	815.54	361.80	731.00	0.91	
2701.00	25.200	65.800	2518.06	853.28	377.06	765.52	0.40	
2791.00	25.300	65.800	2599.46	891.66	392.80	800.54	0.11	
2881.00	24.900	65.400	2680.97	929.83	408.57	835.31	0.48	
2970.00	25.500	65.400	2761.49	967.72	424.35	869.76	0.67	
3059.00	26.300	64.400	2841.56	1006.59	440.84	904.97	1.02	
3149.00	27.200	63.700	2921.92	1047.10	458.57	941.39	1.06	
3239.00	27.800	63.700	3001.75	1088.65	476.98	978.64	0.67	
3329.00	27.800	62.600	3081.37	1130.61	495.94	1016.09	0.57	
3416.00	27.500	64.400	3158.43	1170.98	513.96	1052.22	1.02	
3506.00	28.100	63.000	3238.04	1212.94	532.56	1089.84	0.99	
3593.00	27.500	63.000	3315.00	1253.50	550.98	1126.00	0.69	
3681.00	25.900	64.400	3393.62	1293.04	568.51	1161.43	1.95	
3770.00	25.500	65.100	3473.81	1331.63	584.97	1196.34	0.56	
3859.00	25.000	65.100	3554.31	1369.59	600.96	1230.78	0.56	
3948.00	25.300	71.400	3634.89	1407.29	614.94	1265.86	3.03	
4035.00	25.700	69.300	3713.41	1444.54	627.54	1301.13	1.14	
4126.00	25.500	69.300	3795.48	1483.73	641.44	1337.91	0.22	
4216.00	26.100	67.200	3876.51	1522.81	655.96	1374.29	1.21	
4305.00	25.800	67.200	3956.54	1561.71	671.05	1410.19	0.34	
4393.00	25.800	65.100	4035.77	1599.99	686.54	1445.21	1.04	
4483.00	25.800	63.000	4116.80	1639.15	703.67	1480.43	1.02	
4573.00	27.100	65.800	4197.38	1679.23	720.97	1516.58	2.00	
4653.00	26.300	65.100	4268.85	1715.17	735.90	1549.28	1.07	
4750.00	26.300	66.100	4355.81	1758.14	753.66	1588.42	0.46	
4839.00	27.500	65.100	4435.18	1798.40	770.30	1625.08	1.44	
4926.00	29.400	64.700	4511.67	1839.84	787.88	1662.61	2.19	
5015.00	28.700	66.500	4589.47	1883.04	805.74	1701.96	1.26	
5105.00	27.700	66.100	4668.79	1925.55	822.83	1740.90	1.13	
5194.00	27.200	65.100	4747.77	1966.57	839.78	1778.26	0.76	



# Actual Wellpath Report

DECHANT 23-9 AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#01 DECHANT 23-9 (290'FSL & 467'FWL)
Area	COLORADO	Well	DECHANT 23-9
Field	WELD COUNTY (KERR MCGEE)	Wellbore	DECHANT 23-9 AWB
Facility	SEC.09-T2N-R65W		

## WELLPATH DATA (91 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
5282.00	24.300	65.100	4827.02	2004.79	855.87	1812.94	3.30	
5372.00	21.900	64.400	4909.80	2040.10	870.92	1844.87	2.68	
5462.00	19.900	64.000	4993.87	2072.21	884.89	1873.78	2.23	
5551.00	19.000	61.500	5077.79	2101.82	898.44	1900.13	1.38	
5640.00	19.700	61.500	5161.76	2131.27	912.51	1926.04	0.79	
5728.00	18.000	59.400	5245.04	2159.62	926.51	1950.78	2.08	
5819.00	15.900	59.800	5332.09	2186.05	939.94	1973.66	2.31	
5907.00	15.400	62.600	5416.82	2209.75	951.38	1994.45	1.03	
5996.00	13.000	60.800	5503.10	2231.55	961.71	2013.69	2.74	
6085.00	11.300	62.200	5590.10	2250.25	970.66	2030.14	1.94	
6173.00	9.800	62.600	5676.61	2266.35	978.13	2044.42	1.71	
6262.00	9.100	61.500	5764.40	2280.95	984.97	2057.33	0.81	
6351.00	7.600	58.000	5852.46	2293.83	991.45	2068.50	1.78	
6435.00	6.800	55.600	5935.80	2304.26	997.20	2077.32	1.02	
6526.00	5.500	62.200	6026.27	2313.94	1002.28	2085.62	1.62	
6616.00	3.900	63.300	6115.97	2321.31	1005.67	2092.17	1.78	
6703.00	2.400	40.100	6202.83	2325.93	1008.39	2095.99	2.23	
6792.00	0.800	341.400	6291.80	2327.70	1010.40	2096.99	2.36	
6881.00	0.900	341.000	6380.79	2327.85	1011.65	2096.56	0.11	
6970.00	0.800	336.100	6469.78	2327.95	1012.88	2096.08	0.14	
7104.00	1.000	306.900	6603.77	2327.43	1014.44	2094.77	0.37	
7237.00	0.900	287.200	6736.75	2326.12	1015.45	2092.84	0.26	
7369.00	1.100	282.000	6868.73	2324.36	1016.02	2090.61	0.17	
7502.00	1.300	277.800	7001.70	2322.08	1016.49	2087.87	0.16	
7636.00	0.900	286.400	7135.67	2320.03	1016.99	2085.36	0.32	
7770.00	0.400	248.900	7269.67	2318.78	1017.12	2083.91	0.47	
7901.00	0.300	276.700	7400.66	2318.03	1016.99	2083.14	0.15	
8034.00	0.200	261.200	7533.66	2317.52	1017.00	2082.57	0.09	
8167.00	0.200	2.800	7666.66	2317.40	1017.19	2082.35	0.23	
8286.00	0.100	256.700	7785.66	2317.40	1017.38	2082.26	0.21	LAST BHI MWD SURVEY



# Actual Wellpath Report

DECHANT 23-9 AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#01 DECHANT 23-9 (290'FSL & 467'FWL)
Area	COLORADO	Well	DECHANT 23-9
Field	WELD COUNTY (KERR MCGEE)	Wellbore	DECHANT 23-9 AWB
Facility	SEC.09-T2N-R65W		

## WELLPATH DATA (91 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
8336.00	0.100	256.700	7835.66	2317.31	1017.36	2082.17	0.00	PROJECTION TO BIT

## HOLE & CASING SECTIONS Ref Wellbore: DECHANT 23-9 AWB Ref Wellpath: DECHANT 23-9 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	15.00	815.00	800.00	15.00	810.68	0.00	0.00	23.35	59.18
7.875in Open Hole	815.00	8336.00	7521.00	810.68	7835.66	23.35	59.18	1017.36	2082.17

## TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Shape
DECHANT 23-9 GEO TARGET 50' RADIUS (1290'FSL & 2565'FWL, REV-1)		6000.00	1003.73	2106.42	3232243.80	1298398.95	40°08'58.247"N	104°40'09.044"W	circle
DECHANT 23-9 HARDLINE 53'E OF GEO TARGET		6000.00	1003.73	2159.42	3232296.79	1298399.45	40°08'58.247"N	104°40'08.362"W	point

## WELLPATH COMPOSITION Ref Wellbore: DECHANT 23-9 AWB Ref Wellpath: DECHANT 23-9 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
15.00	917.00	NaviTrak (Standard)	BHI MWD SURVEYS 12.25 HOLE <151-917>	DECHANT 23-9 AWB
917.00	8286.00	NaviTrak (Standard)	BHI MWD SURVEYS 7 7/8 HOLE<1008-8286>	DECHANT 23-9 AWB
8286.00	8336.00	Blind Drilling (std)	Projection to bit	DECHANT 23-9 AWB



# Actual Wellpath Report

DECHANT 23-9 AWP

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**INTEQ**

## REFERENCE WELLPATH IDENTIFICATION

Operator	<b>KERR MCGEE OIL &amp; GAS ONSHORE LP</b>	Slot	<b>SLOT#01 DECHANT 23-9 (290'FSL &amp; 467'FWL)</b>
Area	<b>COLORADO</b>	Well	<b>DECHANT 23-9</b>
Field	<b>WELD COUNTY (KERR MCGEE)</b>	Wellbore	<b>DECHANT 23-9 AWB</b>
Facility	<b>SEC.09-T2N-R65W</b>		

## WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
15.00	0.000	161.390	15.00	TIE ON
8286.00	0.100	256.700	7785.66	LAST BHI MWD SURVEY
8336.00	0.100	256.700	7835.66	PROJECTION TO BIT