

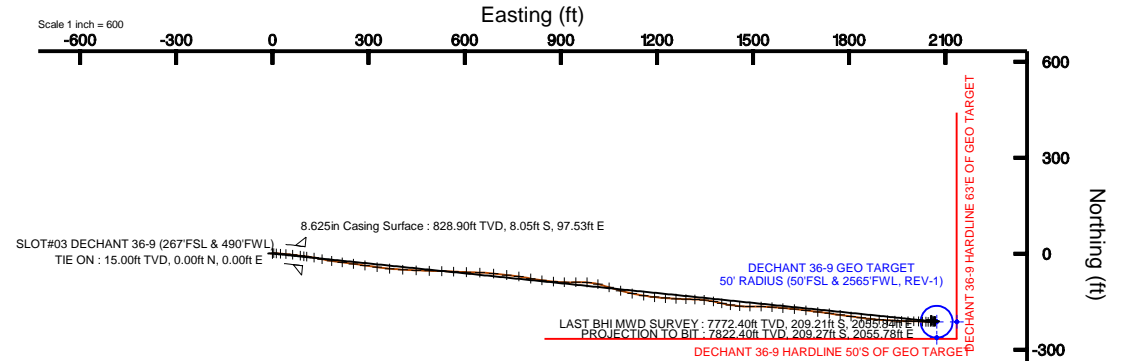
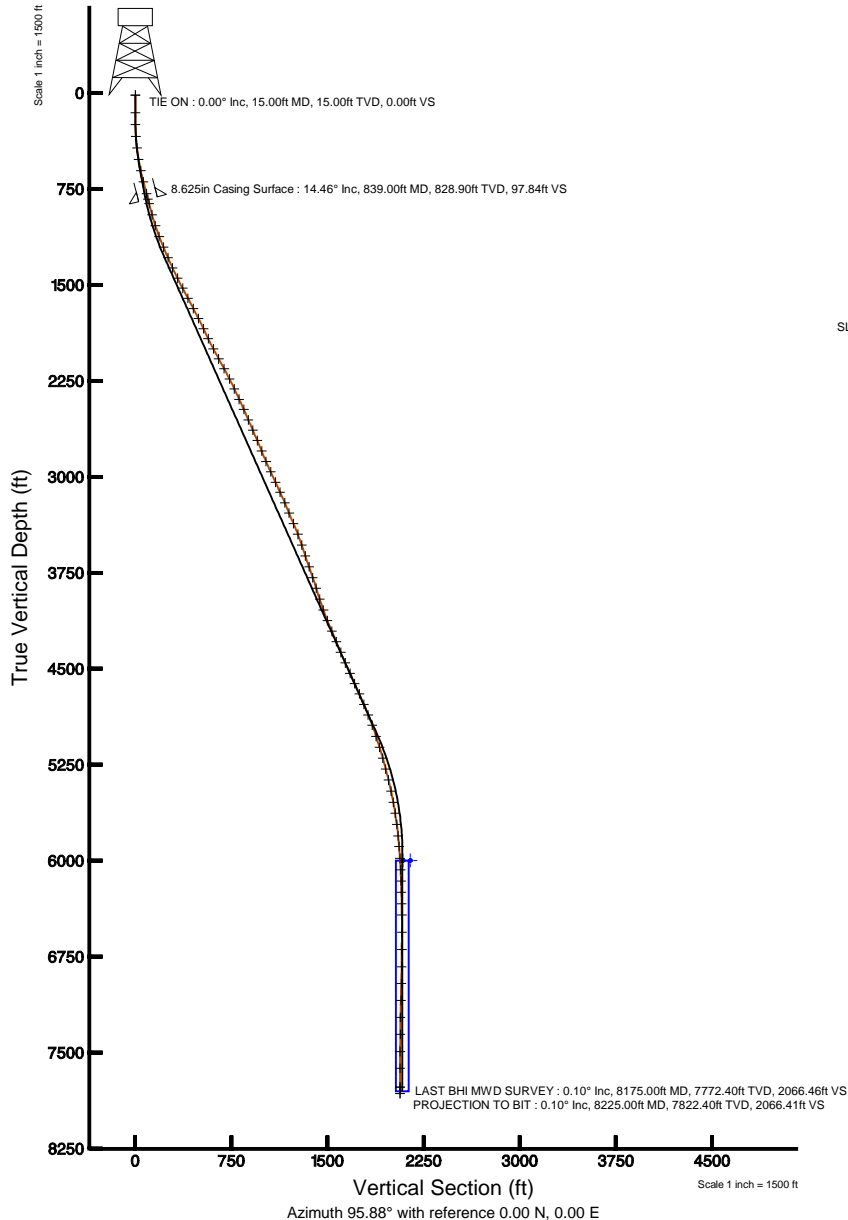
# KERR MCGEE OIL & GAS ONSHORE LP

Location: COLORADO Slot: SLOT#03 DECHANT 36-9 (267°FSL & 490°FWL)  
 Field: WELD COUNTY (KERR MCGEE) Well: DECHANT 36-9  
 Facility: SEC.09-T2N-R65W Wellbore: DECHANT 36-9 PWB



Plot reference wellpath is DECHANT 36-9 (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 8.61 degrees East of True North (at 2/7/2011)

To correct azimuth from Magnetic to True add 8.61 degrees  
 For example: if the Magnetic North Azimuth = 90 degs, then the Grid North Azimuth = 90 + 8.61 = 98.61



# Actual Wellpath Report

DECHANT 36-9 AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#03 DECHANT 36-9 (267'FSL & 490'FWL)
Area	COLORADO	Well	DECHANT 36-9
Field	WELD COUNTY (KERR MCGEE)	Wellbore	DECHANT 36-9 AWB
Facility	SEC.09-T2N-R65W		

## REPORT SETUP INFORMATION

Projection System	NAD83 / Lambert Colorado State Planes, Northern Zone (501), US feet	Software System	WellArchitect® 2.0
North Reference	True	User	Painsetr
Scale	0.999958	Report Generated	3/24/2011 at 1:20:50 PM
Convergence at slot	0.53° East	Database/Source file	WA_DENVER/DECHANT_36-9_AWB.xml

## WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[USft]	Northing[USft]	Latitude	Longitude
Slot Location	-22.95	22.37	3230169.45	1297353.02	40°08'48.102"N	104°40'35.882"W
Facility Reference Pt			3230146.88	1297375.76	40°08'48.329"N	104°40'36.170"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 15 (RKB) to Facility Vertical Datum	4909.00ft
Horizontal Reference Pt	Slot	XTREME 15 (RKB) to Mean Sea Level	4909.00ft
Vertical Reference Pt	XTREME 15 (RKB)	Facility Vertical Datum to Mud Line (Facility)	0.00ft
MD Reference Pt	XTREME 15 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	95.88°



# Actual Wellpath Report

DECHANT 36-9 AWP

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## REFERENCE WELLPATH IDENTIFICATION

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Area	COLORADO	Well	DECHANT 36-9
Field	WELD COUNTY (KERR MCGEE)	Wellbore	DECHANT 36-9 AWB
Facility	SEC.09-T2N-R65W		

## WELLPATH DATA (89 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
0.00†	0.000	310.100	0.00	0.00	0.00	0.00	0.00	
15.00	0.000	310.100	15.00	0.00	0.00	0.00	0.00	TIE ON
152.00	0.800	310.100	152.00	-0.79	0.62	-0.73	0.58	
245.00	1.000	57.700	244.99	-0.69	1.47	-0.54	1.57	
339.00	3.700	94.600	338.90	2.99	1.66	3.18	3.15	
429.00	7.100	95.300	428.49	11.46	0.92	11.61	3.78	
519.00	9.800	94.600	517.51	24.68	-0.21	24.79	3.00	
609.00	12.100	94.900	605.86	41.77	-1.63	41.82	2.56	
698.00	14.400	96.700	692.49	62.16	-3.72	62.11	2.63	
794.00	14.900	97.100	785.37	86.44	-6.64	86.21	0.53	
875.00	14.100	97.100	863.79	106.72	-9.15	106.34	0.99	
965.00	15.600	99.200	950.78	129.76	-12.44	129.16	1.77	
1055.00	18.000	102.700	1036.93	155.65	-17.43	154.68	2.89	
1145.00	20.900	98.800	1121.79	185.50	-22.94	184.12	3.53	
1234.00	23.200	97.100	1204.28	218.88	-27.54	217.21	2.68	
1323.00	23.600	97.400	1285.96	254.22	-32.00	252.27	0.47	
1411.00	24.700	98.500	1366.25	290.20	-36.99	287.92	1.35	
1501.00	26.100	97.800	1447.55	328.77	-42.45	326.14	1.59	
1588.00	27.700	95.600	1525.14	368.12	-47.02	365.22	2.17	
1677.00	28.000	93.200	1603.83	409.67	-50.21	406.67	1.30	
1767.00	27.700	92.500	1683.41	451.66	-52.30	448.66	0.49	
1856.00	26.600	92.100	1762.60	492.19	-53.93	489.24	1.25	
1944.00	25.600	90.700	1841.63	530.79	-54.89	527.94	1.33	
2031.00	25.600	93.500	1920.09	568.29	-56.26	565.50	1.39	
2120.00	27.600	91.800	1999.67	608.07	-58.09	605.30	2.40	
2209.00	29.000	91.400	2078.03	650.14	-59.26	647.48	1.59	
2297.00	28.900	96.700	2155.04	692.68	-62.26	689.93	2.92	
2386.00	26.500	96.700	2233.84	734.04	-67.09	731.01	2.70	
2473.00	25.000	97.800	2312.20	771.83	-71.85	768.51	1.81	
2563.00	24.900	101.300	2393.80	809.70	-78.14	805.93	1.64	



# Actual Wellpath Report

DECHANT 36-9 AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#03 DECHANT 36-9 (267'FSL & 490'FWL)
Area	COLORADO	Well	DECHANT 36-9
Field	WELD COUNTY (KERR MCGEE)	Wellbore	DECHANT 36-9 AWB
Facility	SEC.09-T2N-R65W		

## WELLPATH DATA (89 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
2650.00	23.700	96.300	2473.10	845.42	-83.65	841.28	2.74	
2739.00	23.500	95.600	2554.66	881.05	-87.35	876.71	0.39	
2826.00	23.500	92.500	2634.44	915.71	-89.80	911.31	1.42	
2915.00	23.300	87.500	2716.13	950.84	-89.80	946.62	2.24	
3004.00	22.700	93.900	2798.07	985.43	-90.20	981.35	2.89	
3093.00	23.400	104.100	2880.00	1020.09	-95.68	1015.63	4.55	
3182.00	24.800	106.900	2961.24	1055.91	-105.41	1050.64	2.03	
3271.00	25.600	106.200	3041.77	1093.15	-116.20	1086.96	0.96	
3358.00	24.400	101.600	3120.62	1129.52	-125.06	1122.62	2.63	
3448.00	23.400	98.800	3202.91	1165.87	-131.53	1158.49	1.68	
3536.00	22.200	96.700	3284.03	1199.95	-136.14	1192.27	1.65	
3625.00	22.900	93.500	3366.23	1234.06	-139.16	1226.26	1.59	
3715.00	21.200	93.500	3449.64	1267.82	-141.23	1259.98	1.89	
3804.00	18.800	91.800	3533.27	1298.21	-142.66	1290.38	2.77	
3894.00	18.200	91.100	3618.62	1326.68	-143.38	1318.93	0.71	
3984.00	19.200	96.300	3703.87	1355.49	-145.28	1347.70	2.16	
4073.00	18.900	101.600	3788.01	1384.47	-149.78	1376.36	1.97	
4161.00	17.100	104.100	3871.70	1411.46	-155.80	1402.88	2.23	
4251.00	18.300	98.500	3957.44	1438.67	-161.11	1429.69	2.31	
4340.00	19.500	95.600	4041.64	1467.48	-164.63	1458.29	1.71	
4429.00	22.500	88.300	4124.74	1499.23	-165.57	1490.11	4.47	
4519.00	23.200	92.500	4207.68	1534.00	-165.84	1525.04	1.97	
4608.00	22.400	94.200	4289.73	1568.45	-167.84	1559.46	1.16	
4698.00	22.300	94.600	4372.96	1602.66	-170.47	1593.58	0.20	
4788.00	24.300	95.300	4455.62	1638.26	-173.55	1629.05	2.24	
4877.00	24.500	97.800	4536.67	1675.01	-177.74	1665.57	1.18	
4965.00	24.800	97.100	4616.65	1711.70	-182.50	1701.96	0.48	
5054.00	23.200	97.800	4697.96	1747.88	-187.19	1737.85	1.83	
5143.00	22.900	97.800	4779.85	1782.71	-191.92	1772.38	0.34	
5232.00	22.600	98.100	4861.93	1817.11	-196.68	1806.46	0.36	



# Actual Wellpath Report

DECHANT 36-9 AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#03 DECHANT 36-9 (267'FSL & 490'FWL)
Area	COLORADO	Well	DECHANT 36-9
Field	WELD COUNTY (KERR MCGEE)	Wellbore	DECHANT 36-9 AWB
Facility	SEC.09-T2N-R65W		

## WELLPATH DATA (89 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
5319.00	20.400	98.100	4942.87	1848.97	-201.17	1838.03	2.53	
5410.00	17.400	95.300	5028.95	1878.43	-204.66	1867.28	3.44	
5500.00	17.500	94.900	5114.81	1905.41	-207.06	1894.17	0.17	
5590.00	16.300	92.800	5200.93	1931.56	-208.83	1920.27	1.50	
5678.00	14.200	94.200	5285.82	1954.68	-210.23	1943.37	2.42	
5766.00	13.600	91.400	5371.25	1975.78	-211.27	1964.47	1.02	
5854.00	12.400	91.800	5456.99	1995.52	-211.82	1984.26	1.37	
5944.00	10.600	89.700	5545.18	2013.39	-212.08	2002.20	2.05	
6031.00	8.700	92.100	5630.94	2027.91	-212.28	2016.78	2.23	
6120.00	7.700	91.800	5719.03	2040.58	-212.71	2029.47	1.12	
6209.00	5.800	94.900	5807.41	2051.02	-213.29	2039.91	2.17	
6292.00	4.500	92.540	5890.08	2058.47	-213.79	2047.34	1.59	
6385.00	3.500	87.900	5982.85	2064.92	-213.85	2053.82	1.13	
6475.00	2.900	89.300	6072.71	2069.90	-213.72	2058.84	0.67	
6563.00	2.400	87.200	6160.61	2073.94	-213.60	2062.91	0.58	
6650.00	1.400	83.000	6247.56	2076.77	-213.38	2065.78	1.16	
6740.00	1.100	76.700	6337.54	2078.66	-213.05	2067.71	0.37	
6829.00	0.500	65.100	6426.53	2079.80	-212.69	2068.90	0.69	
6964.00	0.400	336.500	6561.53	2080.08	-212.01	2069.24	0.47	
7099.00	0.400	298.500	6696.53	2079.41	-211.35	2068.64	0.19	
7233.00	0.800	272.800	6830.52	2078.04	-211.08	2067.30	0.35	
7365.00	1.200	279.200	6962.50	2075.74	-210.82	2065.01	0.31	
7497.00	1.800	290.800	7094.45	2072.36	-209.86	2061.71	0.51	
7629.00	1.000	292.500	7226.41	2069.25	-208.68	2058.71	0.61	
7762.00	0.400	279.900	7359.40	2067.68	-208.16	2057.18	0.46	
7897.00	0.300	241.900	7494.40	2066.92	-208.24	2056.40	0.18	
8028.00	0.300	193.400	7625.40	2066.59	-208.74	2056.02	0.19	
8175.00	0.100	223.300	7772.40	2066.46	-209.21	2055.84	0.15	LAST BHI MWD SURVEY
8225.00	0.100	223.300	7822.40	2066.41	-209.27	2055.78	0.00	PROJECTION TO BIT



# Actual Wellpath Report

DECHANT 36-9 AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#03 DECHANT 36-9 (267'FSL & 490'FWL)
Area	COLORADO	Well	DECHANT 36-9
Field	WELD COUNTY (KERR MCGEE)	Wellbore	DECHANT 36-9 AWB
Facility	SEC.09-T2N-R65W		

## HOLE & CASING SECTIONS Ref Wellbore: DECHANT 36-9 AWB Ref Wellpath: DECHANT 36-9 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	839.00	824.00	15.00	828.90	0.00	0.00	-8.05	97.53
7.875in Open Hole	839.00	8225.00	7386.00	828.90	7822.40	-8.05	97.53	-209.27	2055.78

## TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Shape
DECHANT 36-9 GEO TARGET 50' RADIUS (50'FSL & 2565'FWL, REV-1)		6000.00	-213.39	2073.54	3232244.79	1297158.90	40°08'45.992"N	104°40'09.181"W	circle
DECHANT 36-9 HARDLINE 50'S OF GEO TARGET		6000.00	-263.39	2073.54	3232245.26	1297108.90	40°08'45.498"N	104°40'09.181"W	point
DECHANT 36-9 HARDLINE 63'E OF GEO TARGET		6000.00	-213.39	2136.54	3232307.79	1297159.49	40°08'45.992"N	104°40'08.370"W	point

## WELLPATH COMPOSITION Ref Wellbore: DECHANT 36-9 AWB Ref Wellpath: DECHANT 36-9 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
15.00	875.00	NaviTrak (Standard)	BHI MWD SURVEYS 12.25 HOLE<152-875>	DECHANT 36-9 AWB
875.00	8175.00	NaviTrak (Standard)	BHI MWD SURVEYS 7 7/8 HOLE<965-8175>	DECHANT 36-9 AWB
8175.00	8225.00	Blind Drilling (std)	Projection to bit	DECHANT 36-9 AWB



# Actual Wellpath Report

DECHANT 36-9 AWP

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**INTEQ**

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Area	COLORADO	Well	DECHANT 36-9
Field	WELD COUNTY (KERR MCGEE)	Wellbore	DECHANT 36-9 AWB
Facility	SEC.09-T2N-R65W		

## WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
15.00	0.000	310.100	15.00	TIE ON
8175.00	0.100	223.300	7772.40	LAST BHI MWD SURVEY
8225.00	0.100	223.300	7822.40	PROJECTION TO BIT