

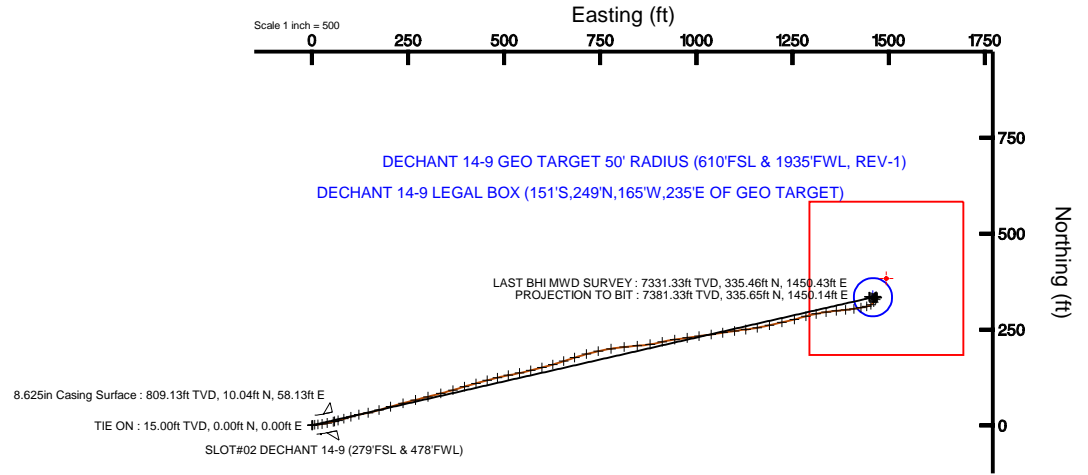
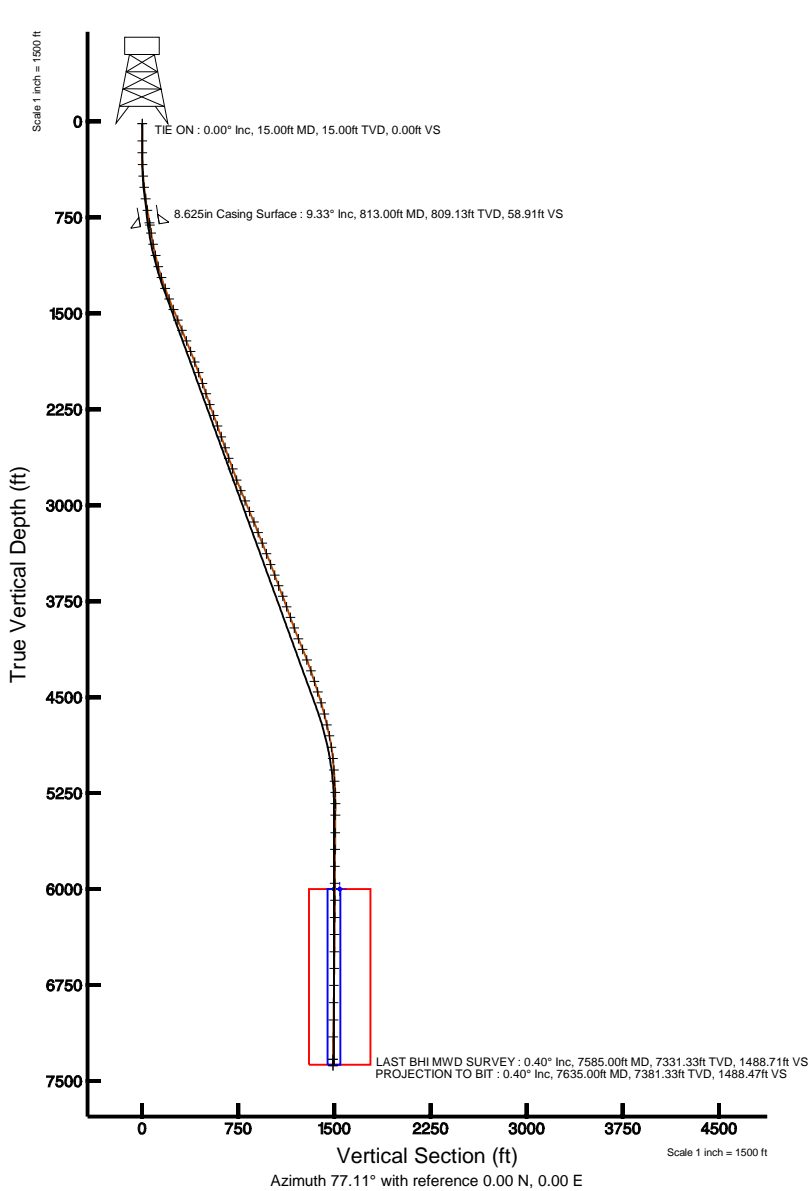
KERR MCGEE OIL & GAS ONSHORE LP

Location: COLORADO Slot: SLOT#02 DECHANT 14-9 (279'FSL & 478'FWL)
 Field: WELD COUNTY (KERR MCGEE) Well: DECHANT 14-9
 Facility: SEC.09-T2N-R65W Wellbore: DECHANT 14-9-PWB



Plot reference wellpath is DECHANT 14-9 (REV-B.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 14-9 AWP

Page 1 of 6



INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#02 DECHANT 14-9 (279'FSL & 478'FWL)
Area	COLORADO	Well	DECHANT 14-9
Field	WELD COUNTY (KERR MCGEE)	Wellbore	DECHANT 14-9 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 10:18:13 AM
Convergence at slot	0.53° East	Database/Source file	WA_DENVER/DECHANT_14-9_AWB.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[USft]	Northing[USft]	Latitude	Longitude
Slot Location	-11.29	11.18	3230158.16	1297364.57	40°08'48.217"N	104°40'36.026"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	77.11°



Actual Wellpath Report

DECHANT 14-9 AWP

Page 2 of 6



INTEQ

REFERENCE WELLPATH IDENTIFICATION

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Field	WELD COUNTY (KERR MCGEE)	Wellbore	DECHANT 14-9 AWB
Facility	SEC.09-T2N-R65W		

WELLPATH DATA (80 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
0.00†	0.000	38.700	0.00	0.00	0.00	0.00	0.00	
15.00	0.000	38.700	15.00	0.00	0.00	0.00	0.00	TIE ON
151.00	0.200	38.700	151.00	0.19	0.19	0.15	0.15	
243.00	0.200	19.000	243.00	0.40	0.46	0.30	0.07	
336.00	1.800	82.300	335.98	1.94	0.81	1.80	1.85	
426.00	4.100	86.500	425.86	6.52	1.20	6.41	2.57	
514.00	6.900	83.700	513.44	14.88	1.97	14.81	3.20	
603.00	7.600	81.600	601.73	26.05	3.42	25.95	0.84	
694.00	9.400	77.700	691.73	39.49	5.88	39.16	2.08	
795.00	9.400	77.700	791.37	55.98	9.39	55.28	0.00	
875.00	9.100	73.100	870.33	68.82	12.62	67.71	1.00	
964.00	11.100	73.800	957.95	84.40	17.06	82.68	2.25	
1054.00	13.100	72.800	1045.95	103.22	22.49	100.74	2.23	
1143.00	14.900	78.400	1132.30	124.72	27.78	121.59	2.53	
1232.00	17.800	79.100	1217.70	149.76	32.65	146.16	3.27	
1322.00	19.600	73.100	1302.95	178.57	39.64	174.12	2.92	
1411.00	21.400	73.500	1386.31	209.67	48.59	203.97	2.03	
1501.00	22.500	75.300	1469.78	243.27	57.63	236.37	1.43	
1589.00	22.100	75.600	1551.20	276.65	66.02	268.69	0.47	
1677.00	23.100	75.600	1632.44	310.46	74.43	301.45	1.14	
1766.00	22.400	75.300	1714.52	344.86	83.07	334.76	0.80	
1854.00	21.400	73.800	1796.17	377.65	91.81	366.40	1.30	
1943.00	20.200	73.100	1879.37	409.19	100.80	396.69	1.38	
2031.00	20.600	74.900	1961.85	439.81	109.25	426.18	0.85	
2120.00	19.100	75.300	2045.56	470.01	117.03	455.38	1.69	
2207.00	18.600	75.300	2127.89	498.11	124.16	482.57	0.57	
2296.00	19.200	79.500	2212.10	526.92	130.43	510.69	1.67	
2385.00	19.900	77.700	2295.97	556.69	136.32	539.88	1.04	
2473.00	19.600	75.300	2378.79	586.41	143.26	568.79	0.98	
2563.00	19.300	76.700	2463.66	616.38	150.51	597.86	0.62	



Actual Wellpath Report

DECHANT 14-9 AWP

Page 3 of 6



INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#02 DECHANT 14-9 (279'FSL & 478'FWL)
Area	COLORADO	Well	DECHANT 14-9
Field	WELD COUNTY (KERR MCGEE)	Wellbore	DECHANT 14-9 AWB
Facility	SEC.09-T2N-R65W		

WELLPATH DATA (80 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
2653.00	19.300	72.800	2548.60	646.08	158.33	626.55	1.43	
2741.00	19.700	71.700	2631.55	675.35	167.29	654.52	0.62	
2830.00	20.000	72.800	2715.27	705.46	176.50	683.30	0.54	
2922.00	20.300	73.800	2801.64	737.08	185.61	713.66	0.50	
3011.00	22.200	78.100	2884.59	769.31	193.38	744.94	2.76	
3099.00	22.700	80.500	2965.92	802.88	199.61	777.96	1.19	
3188.00	22.900	83.700	3047.97	837.23	204.35	812.11	1.41	
3277.00	22.600	85.800	3130.04	871.34	207.50	846.38	0.97	
3367.00	21.500	81.200	3213.47	904.88	211.29	879.92	2.27	
3454.00	21.500	76.700	3294.42	936.73	217.40	911.20	1.90	
3545.00	21.700	81.600	3379.03	970.18	223.69	944.07	1.99	
3635.00	20.900	83.000	3462.89	1002.74	228.08	976.47	1.05	
3724.00	20.200	80.500	3546.22	1033.87	232.55	1007.38	1.26	
3813.00	21.100	83.000	3629.51	1065.14	237.04	1038.43	1.42	
3900.00	20.500	80.500	3710.84	1095.93	241.46	1069.00	1.23	
3988.00	20.300	82.300	3793.32	1126.51	246.05	1099.33	0.75	
4076.00	19.300	83.300	3876.12	1156.18	249.79	1128.90	1.20	
4165.00	20.500	78.800	3959.81	1186.38	254.53	1158.80	2.19	
4254.00	21.500	77.700	4042.89	1218.26	261.04	1190.02	1.21	
4343.00	22.600	76.700	4125.38	1251.68	268.44	1222.60	1.31	
4433.00	21.100	76.300	4208.91	1285.17	276.26	1255.17	1.67	
4523.00	18.800	73.800	4293.51	1315.85	284.14	1284.84	2.73	
4611.00	17.800	78.800	4377.06	1343.45	290.71	1311.65	2.11	
4698.00	18.000	80.900	4459.85	1370.16	295.42	1337.97	0.78	
4787.00	16.800	84.700	4544.78	1396.63	298.79	1364.36	1.86	
4877.00	14.800	84.400	4631.38	1420.93	301.11	1388.75	2.22	
4966.00	12.900	80.200	4717.79	1442.12	303.91	1409.86	2.41	
5053.00	11.500	81.200	4802.82	1460.47	306.89	1428.00	1.63	
5143.00	8.800	74.900	4891.41	1476.30	310.06	1443.51	3.24	
5231.00	7.000	57.300	4978.58	1488.08	314.71	1454.53	3.40	



Actual Wellpath Report

DECHANT 14-9 AWP

Page 4 of 6



INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#02 DECHANT 14-9 (279'FSL & 478'FWL)
Area	COLORADO	Well	DECHANT 14-9
Field	WELD COUNTY (KERR MCGEE)	Wellbore	DECHANT 14-9 AWB
Facility	SEC.09-T2N-R65W		

WELLPATH DATA (80 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
5322.00	5.600	34.500	5069.04	1496.56	321.36	1461.71	3.12	
5410.00	4.500	39.400	5156.70	1502.46	327.57	1466.33	1.34	
5499.00	2.200	37.600	5245.54	1506.54	331.62	1469.59	2.59	
5587.00	0.700	1.100	5333.51	1507.97	333.50	1470.63	1.92	
5677.00	1.000	310.800	5423.50	1507.64	334.56	1470.05	0.86	
5813.00	0.700	309.700	5559.49	1506.43	335.87	1468.51	0.22	
5945.00	0.400	265.100	5691.48	1505.48	336.34	1467.43	0.38	
6077.00	1.100	237.000	5823.47	1503.84	335.61	1465.91	0.58	
6210.00	0.500	118.100	5956.46	1503.08	334.64	1465.35	1.06	
6343.00	0.200	266.900	6089.46	1503.29	334.36	1465.63	0.51	
6476.00	0.400	192.300	6222.46	1502.86	333.89	1465.30	0.30	
6610.00	0.600	241.200	6356.46	1501.99	333.10	1464.59	0.34	
6744.00	0.800	253.800	6490.45	1500.38	332.50	1463.07	0.19	
6876.00	0.800	264.700	6622.43	1498.54	332.16	1461.27	0.12	
7008.00	0.900	279.900	6754.42	1496.68	332.25	1459.33	0.19	
7143.00	0.700	283.400	6889.41	1494.96	332.62	1457.49	0.15	
7277.00	1.400	296.400	7023.38	1492.96	333.54	1455.22	0.55	
7410.00	1.100	286.900	7156.35	1490.59	334.63	1452.55	0.27	
7585.00	0.400	303.100	7331.33	1488.71	335.46	1450.43	0.41	LAST BHI MWD SURVEY
7635.00	0.400	303.100	7381.33	1488.47	335.65	1450.14	0.00	PROJECTION TO BIT

HOLE & CASING SECTIONS Ref Wellbore: DECHANT 14-9 AWB Ref Wellpath: DECHANT 14-9 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	813.00	798.00	15.00	809.13	0.00	0.00	10.04	58.13
7.875in Open Hole	813.00	7635.00	6822.00	809.13	7381.33	10.04	58.13	335.65	1450.14



Actual Wellpath Report

DECHANT 14-9 AWP

Page 5 of 6



INTEQ

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Area	COLORADO	Well	DECHANT 14-9
Field	WELD COUNTY (KERR MCGEE)	Wellbore	DECHANT 14-9 AWB
Facility	SEC.09-T2N-R65W		

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Shape
DECHANT 14-9 GEO TARGET 50' RADIUS (610'FSL & 1935'FWL, REV-1)		6000.00	334.10	1459.58	3231614.51	1297712.20	40°08'51.518"N	104°40'17.231"W	circle
DECHANT 14-9 LEGAL BOX (151'S,249'N,165'W,235'E OF GEO TARGET)		6000.00	383.10	1494.58	3231649.06	1297761.52	40°08'52.003"N	104°40'16.780"W	square

WELLPATH COMPOSITION Ref Wellbore: DECHANT 14-9 AWB Ref Wellpath: DECHANT 14-9 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<151-875>	DECHANT 14-9 AWB
875.00	7585.00	NaviTrak (Standard)	BHI MWD SURVEYS 7 7/8 HOLE<964-7585>	DECHANT 14-9 AWB
7585.00	7635.00	Blind Drilling (std)	Projection to bit	DECHANT 14-9 AWB



Actual Wellpath Report

DECHANT 14-9 AWP

Page 6 of 6



INTEQ

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Field	WELD COUNTY (KERR MCGEE)	Wellbore	DECHANT 14-9 AWB
Facility	SEC.09-T2N-R65W		

WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
15.00	0.000	38.700	15.00	TIE ON
7585.00	0.400	303.100	7331.33	LAST BHI MWD SURVEY
7635.00	0.400	303.100	7381.33	PROJECTION TO BIT