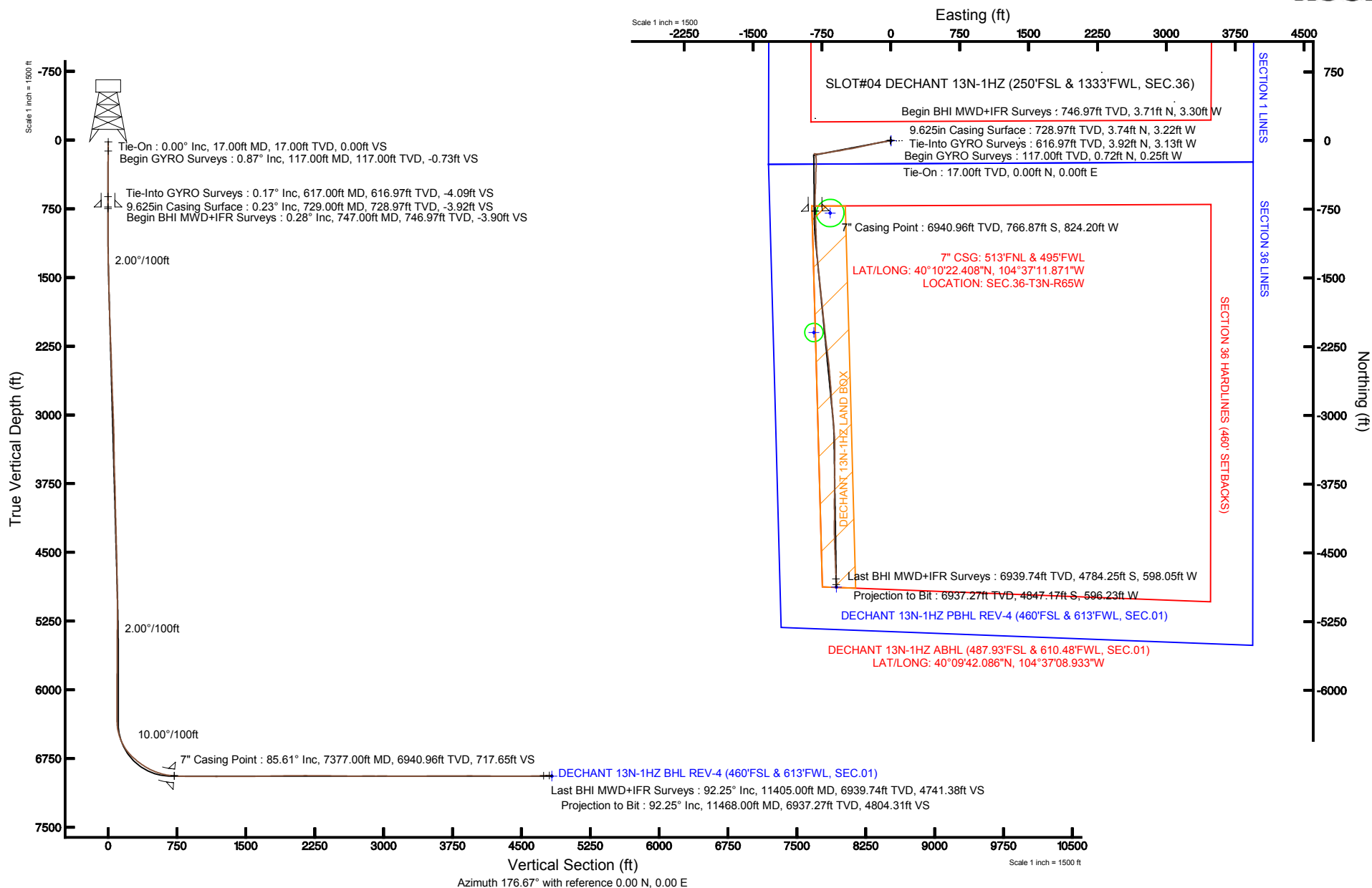


# KERR-MCGEE OIL & GAS ONSHORE LP

Location: COLORADO Slot: SLOT#04 DECHANT 13N-1HZ (250'FSL & 1333'FWL, SEC.36)  
 Field: WELD COUNTY (KERR MCGEE) Well: DECHANT 13N-1HZ  
 Facility: SEC.36-T3N-R65W Wellbore: DECHANT 13N-1HZ PWB

Plot reference wellpath is DECHANT 13N-1HZ (REV-D.0) PWP

True vertical depths are referenced to XTREME 8 (RKB)	Grid System: NAD83 / Lambert Colorado SP, Northern Zone (501), US feet
Measured depths are referenced to XTREME 8 (RKB)	North Reference: True north
XTREME 8 (RKB) to Mean Sea Level: 4844 feet	Scale: True distance
Mean Sea Level to Mud line (At Slot: SLOT#04 DECHANT 13N-1HZ (250'FSL & 1333'FWL, SEC.36)): 0 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: wilsje02 on 3/19/2013





# Actual Wellpath Report

DECHANT 13N-1HZ AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR-MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#04 DECHANT 13N-1HZ (250'FSL & 1333'FWL, SEC.36)
Area	COLORADO	Well	DECHANT 13N-1HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	DECHANT 13N-1HZ AWB
Facility	SEC.36-T3N-R65W		

## REPORT SETUP INFORMATION

Projection System	NAD83 / Lambert Colorado SP, Northern Zone (501), US feet	Software System	WellArchitect® 3.0.2
North Reference	True	User	Wilsjef02
Scale	0.999958	Report Generated	3/19/2013 at 11:26:17
Convergence at slot	0.57° East	Database/Source file	WellArchitectDB/DECHANT_13N-1HZ_AWB.xml

## WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-2850.16	-1778.68	3246732.58	1307822.42	40°10'29.986"N	104°37'01.254"W
Facility Reference Pt			3248482.50	1310690.15	40°10'58.152"N	104°36'38.340"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 8 (RKB) to Facility Vertical Datum	4844.00ft
Horizontal Reference Pt	Slot	XTREME 8 (RKB) to Mean Sea Level	4844.00ft
Vertical Reference Pt	XTREME 8 (RKB)	XTREME 8 (RKB) to Mud Line at Slot (SLOT#04 DECHANT 13N-1HZ (250'FSL & 1333'FWL, SEC.36))	4844.00ft
MD Reference Pt	XTREME 8 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	187.01°



# Actual Wellpath Report

DECHANT 13N-1HZ AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR-MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#04 DECHANT 13N-1HZ (250'FSL & 1333'FWL, SEC.36)
Area	COLORADO	Well	DECHANT 13N-1HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	DECHANT 13N-1HZ AWB
Facility	SEC.36-T3N-R65W		

## WELLPATH DATA (147 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
0.00†	0.000	340.840	0.00	0.00	0.00	0.00	40°10'29.986"N	104°37'01.254"W	0.00	
17.00	0.000	340.840	17.00	0.00	0.00	0.00	40°10'29.986"N	104°37'01.254"W	0.00	Tie-On
117.00	0.870	340.840	117.00	-0.68	0.72	-0.25	40°10'29.993"N	104°37'01.257"W	0.87	Begin GYRO Surveys
217.00	0.750	342.240	216.99	-1.96	2.06	-0.70	40°10'30.006"N	104°37'01.263"W	0.12	
317.00	0.650	315.060	316.98	-2.90	3.08	-1.30	40°10'30.016"N	104°37'01.271"W	0.34	
417.00	0.540	293.900	416.97	-3.39	3.67	-2.13	40°10'30.022"N	104°37'01.281"W	0.24	
517.00	0.400	282.360	516.97	-3.56	3.94	-2.90	40°10'30.025"N	104°37'01.291"W	0.17	
617.00	0.170	132.170	616.97	-3.50	3.92	-3.13	40°10'30.025"N	104°37'01.294"W	0.55	Tie-Into GYRO Surveys
747.00	0.280	257.000	746.97	-3.28	3.71	-3.30	40°10'30.023"N	104°37'01.297"W	0.31	Begin BHI MWD+IFR Surveys
776.00	0.230	279.120	775.97	-3.26	3.71	-3.43	40°10'30.023"N	104°37'01.298"W	0.38	
868.00	0.130	322.590	867.97	-3.34	3.82	-3.67	40°10'30.024"N	104°37'01.301"W	0.18	
958.00	1.810	258.060	957.95	-2.95	3.61	-5.12	40°10'30.022"N	104°37'01.320"W	1.95	
1049.00	3.250	274.500	1048.86	-2.37	3.51	-9.10	40°10'30.021"N	104°37'01.371"W	1.76	
1139.00	3.160	258.730	1138.72	-1.48	3.23	-14.08	40°10'30.018"N	104°37'01.435"W	0.98	
1230.00	4.760	251.440	1229.50	0.93	1.54	-20.12	40°10'30.001"N	104°37'01.513"W	1.84	
1321.00	6.720	253.520	1320.04	4.68	-1.18	-28.80	40°10'29.974"N	104°37'01.625"W	2.17	
1411.00	7.590	257.180	1409.34	8.80	-3.99	-39.65	40°10'29.947"N	104°37'01.765"W	1.09	
1497.00	9.500	256.850	1494.38	13.17	-6.86	-52.10	40°10'29.918"N	104°37'01.925"W	2.22	
1582.00	10.980	259.180	1578.03	18.07	-9.98	-66.88	40°10'29.887"N	104°37'02.116"W	1.81	
1667.00	11.820	261.850	1661.35	22.83	-12.73	-83.45	40°10'29.860"N	104°37'02.329"W	1.17	
1752.00	12.400	261.660	1744.46	27.52	-15.29	-101.10	40°10'29.835"N	104°37'02.556"W	0.68	
1838.00	13.120	258.940	1828.34	32.99	-18.50	-119.81	40°10'29.803"N	104°37'02.798"W	1.09	
1923.00	13.450	258.630	1911.06	39.10	-22.30	-138.97	40°10'29.766"N	104°37'03.044"W	0.40	
2008.00	12.680	256.550	1993.86	45.48	-26.42	-157.74	40°10'29.725"N	104°37'03.286"W	1.06	
2094.00	12.780	258.590	2077.75	51.79	-30.50	-176.24	40°10'29.685"N	104°37'03.524"W	0.54	
2179.00	12.800	255.120	2160.64	58.27	-34.78	-194.56	40°10'29.642"N	104°37'03.760"W	0.90	
2264.00	12.850	257.650	2243.52	64.91	-39.22	-212.89	40°10'29.598"N	104°37'03.997"W	0.66	
2350.00	12.270	255.070	2327.46	71.50	-43.62	-231.06	40°10'29.555"N	104°37'04.231"W	0.94	
2435.00	12.110	260.420	2410.55	77.42	-47.43	-248.58	40°10'29.517"N	104°37'04.456"W	1.34	
2520.00	12.530	258.780	2493.59	82.85	-50.71	-266.42	40°10'29.485"N	104°37'04.686"W	0.64	
2605.00	12.510	257.910	2576.57	88.75	-54.43	-284.46	40°10'29.448"N	104°37'04.919"W	0.22	
2691.00	12.510	257.340	2660.53	94.93	-58.42	-302.66	40°10'29.409"N	104°37'05.153"W	0.14	
2776.00	13.220	258.030	2743.39	101.19	-62.45	-321.15	40°10'29.369"N	104°37'05.391"W	0.85	
2861.00	13.630	256.630	2826.07	107.84	-66.79	-340.40	40°10'29.326"N	104°37'05.639"W	0.62	
2947.00	12.900	257.510	2909.78	114.58	-71.20	-359.63	40°10'29.282"N	104°37'05.887"W	0.88	
3032.00	12.250	257.490	2992.74	120.76	-75.21	-377.70	40°10'29.243"N	104°37'06.120"W	0.76	
3117.00	11.100	257.670	3075.98	126.48	-78.91	-394.50	40°10'29.206"N	104°37'06.336"W	1.35	
3202.00	10.230	255.170	3159.51	132.00	-82.59	-409.79	40°10'29.170"N	104°37'06.533"W	1.16	
3288.00	11.270	262.420	3244.00	136.96	-85.65	-425.50	40°10'29.140"N	104°37'06.736"W	1.98	
3373.00	11.000	263.710	3327.40	140.92	-87.64	-441.80	40°10'29.120"N	104°37'06.945"W	0.43	
3458.00	10.920	261.950	3410.85	144.88	-89.65	-457.83	40°10'29.100"N	104°37'07.152"W	0.40	
3544.00	11.540	262.870	3495.20	149.10	-91.86	-474.43	40°10'29.078"N	104°37'07.366"W	0.75	
3629.00	12.550	259.120	3578.33	154.01	-94.66	-491.94	40°10'29.051"N	104°37'07.591"W	1.50	
3714.00	11.970	256.800	3661.39	159.89	-98.42	-509.59	40°10'29.013"N	104°37'07.819"W	0.90	
3799.00	11.690	257.310	3744.59	165.84	-102.32	-526.57	40°10'28.975"N	104°37'08.038"W	0.35	



# Actual Wellpath Report

DECHANT 13N-1HZ AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR-MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#04 DECHANT 13N-1HZ (250'FSL & 1333'FWL, SEC.36)
Area	COLORADO	Well	DECHANT 13N-1HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	DECHANT 13N-1HZ AWB
Facility	SEC.36-T3N-R65W		

## WELLPATH DATA (147 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
3885.00	11.850	260.640	3828.78	171.27	-105.67	-543.78	40°10'28.942"N	104°37'08.259"W	0.81	
3970.00	11.950	261.290	3911.95	176.11	-108.42	-561.09	40°10'28.915"N	104°37'08.482"W	0.20	
4055.00	13.510	262.400	3994.86	181.00	-111.07	-579.63	40°10'28.888"N	104°37'08.721"W	1.86	
4140.00	12.340	259.550	4077.71	186.23	-114.03	-598.41	40°10'28.859"N	104°37'08.963"W	1.57	
4226.00	11.330	259.880	4161.88	191.48	-117.18	-615.76	40°10'28.828"N	104°37'09.187"W	1.18	
4311.00	12.090	259.680	4245.11	196.59	-120.24	-632.74	40°10'28.798"N	104°37'09.405"W	0.90	
4396.00	12.690	260.540	4328.13	201.89	-123.37	-650.71	40°10'28.767"N	104°37'09.637"W	0.74	
4481.00	12.380	260.410	4411.10	207.14	-126.42	-668.90	40°10'28.737"N	104°37'09.871"W	0.37	
4567.00	12.320	259.740	4495.11	212.50	-129.59	-687.02	40°10'28.705"N	104°37'10.105"W	0.18	
4652.00	12.550	259.040	4578.12	218.04	-132.97	-705.01	40°10'28.672"N	104°37'10.336"W	0.32	
4737.00	11.460	261.460	4661.26	223.16	-135.98	-722.42	40°10'28.642"N	104°37'10.561"W	1.41	
4823.00	11.070	265.120	4745.60	227.15	-137.95	-739.10	40°10'28.623"N	104°37'10.775"W	0.95	
4908.00	10.630	263.150	4829.08	230.71	-139.58	-755.01	40°10'28.607"N	104°37'10.980"W	0.68	
4993.00	10.280	262.740	4912.67	234.46	-141.47	-770.32	40°10'28.588"N	104°37'11.178"W	0.42	
5078.00	8.660	262.430	4996.51	237.94	-143.27	-784.19	40°10'28.570"N	104°37'11.356"W	1.91	
5163.00	8.110	265.420	5080.60	240.75	-144.59	-796.51	40°10'28.557"N	104°37'11.515"W	0.83	
5249.00	6.640	268.210	5165.89	242.73	-145.23	-807.53	40°10'28.551"N	104°37'11.657"W	1.76	
5334.00	4.950	267.920	5250.45	244.06	-145.52	-816.10	40°10'28.548"N	104°37'11.767"W	1.99	
5419.00	3.750	268.790	5335.21	245.04	-145.71	-822.55	40°10'28.546"N	104°37'11.850"W	1.41	
5504.00	2.530	279.110	5420.08	245.37	-145.47	-827.18	40°10'28.548"N	104°37'11.910"W	1.58	
5589.00	1.810	274.720	5505.02	245.36	-145.06	-830.37	40°10'28.552"N	104°37'11.951"W	0.87	
5674.00	1.300	274.240	5589.98	245.46	-144.88	-832.67	40°10'28.554"N	104°37'11.981"W	0.60	
5760.00	0.510	290.770	5675.97	245.41	-144.68	-834.00	40°10'28.556"N	104°37'11.998"W	0.96	
5845.00	0.410	4.700	5760.97	245.02	-144.24	-834.33	40°10'28.561"N	104°37'12.002"W	0.66	
5930.00	0.290	46.880	5845.97	244.55	-143.79	-834.15	40°10'28.565"N	104°37'12.000"W	0.32	
6016.00	0.460	55.530	5931.97	244.15	-143.44	-833.70	40°10'28.568"N	104°37'11.994"W	0.21	
6101.00	0.680	77.200	6016.96	243.76	-143.14	-832.93	40°10'28.571"N	104°37'11.984"W	0.36	
6186.00	0.570	104.500	6101.96	243.64	-143.13	-832.03	40°10'28.571"N	104°37'11.973"W	0.37	
6271.00	0.500	99.800	6186.95	243.71	-143.30	-831.26	40°10'28.570"N	104°37'11.963"W	0.10	
6357.00	0.720	85.290	6272.95	243.62	-143.32	-830.35	40°10'28.570"N	104°37'11.951"W	0.31	
6380.00	0.810	58.830	6295.95	243.49	-143.23	-830.06	40°10'28.571"N	104°37'11.947"W	1.57	
6440.00	1.910	126.470	6355.93	243.72	-143.60	-828.90	40°10'28.567"N	104°37'11.932"W	2.95	
6483.00	6.470	152.630	6398.81	246.08	-146.18	-827.21	40°10'28.541"N	104°37'11.910"W	11.23	
6526.00	11.190	154.090	6441.29	251.58	-152.09	-824.27	40°10'28.483"N	104°37'11.873"W	10.99	
6568.00	15.890	159.890	6482.11	260.12	-161.16	-820.51	40°10'28.393"N	104°37'11.824"W	11.63	
6611.00	19.610	171.500	6523.07	272.32	-173.83	-817.41	40°10'28.268"N	104°37'11.784"W	11.90	
6654.00	23.980	174.480	6562.99	287.81	-189.67	-815.51	40°10'28.112"N	104°37'11.760"W	10.48	
6696.00	28.200	178.600	6600.70	305.97	-208.10	-814.44	40°10'27.929"N	104°37'11.746"W	10.93	
6739.00	32.920	177.460	6637.72	327.56	-229.94	-813.68	40°10'27.714"N	104°37'11.736"W	11.06	
6781.00	37.740	180.950	6671.98	351.61	-254.21	-813.38	40°10'27.474"N	104°37'11.732"W	12.44	
6824.00	42.600	182.260	6704.83	379.22	-281.93	-814.18	40°10'27.200"N	104°37'11.743"W	11.47	
6866.00	47.230	183.970	6734.56	408.79	-311.53	-815.80	40°10'26.907"N	104°37'11.764"W	11.39	
6909.00	49.650	182.370	6763.09	440.89	-343.65	-817.58	40°10'26.590"N	104°37'11.786"W	6.28	
6952.00	51.560	181.100	6790.38	473.98	-376.86	-818.58	40°10'26.262"N	104°37'11.799"W	4.99	
6994.00	55.030	180.720	6815.48	507.45	-410.52	-819.11	40°10'25.929"N	104°37'11.806"W	8.29	

### REFERENCE WELLPATH IDENTIFICATION

Operator	KERR-MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#04 DECHANT 13N-1HZ (250'FSL & 1333'FWL, SEC.36)
Area	COLORADO	Well	DECHANT 13N-1HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	DECHANT 13N-1HZ AWB
Facility	SEC.36-T3N-R65W		

### WELLPATH DATA (147 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
7037.00	58.050	180.430	6839.18	543.10	-446.39	-819.47	40°10'25.575"N	104°37'11.811"W	7.05	
7080.00	61.750	182.200	6860.74	580.11	-483.57	-820.33	40°10'25.207"N	104°37'11.822"W	9.31	
7122.00	65.030	183.350	6879.56	617.55	-521.07	-822.15	40°10'24.837"N	104°37'11.845"W	8.18	
7165.00	68.950	182.540	6896.36	657.02	-560.59	-824.18	40°10'24.446"N	104°37'11.871"W	9.28	
7208.00	72.250	181.220	6910.64	697.41	-601.12	-825.51	40°10'24.046"N	104°37'11.888"W	8.20	
7250.00	75.460	180.230	6922.32	737.50	-641.46	-826.02	40°10'23.647"N	104°37'11.895"W	7.97	
7293.00	79.910	179.240	6931.49	779.16	-683.46	-825.82	40°10'23.232"N	104°37'11.892"W	10.59	
7335.00	84.290	178.920	6937.26	820.36	-725.04	-825.15	40°10'22.821"N	104°37'11.884"W	10.46	
7377.00†	85.612	178.472	6940.96	861.75	-766.87	-824.20	40°10'22.408"N	104°37'11.871"W	3.32	7" Casing Point
7477.00	88.760	177.410	6945.87	960.37	-866.67	-820.61	40°10'21.421"N	104°37'11.825"W	3.32	
7562.00	89.750	178.270	6946.97	1044.27	-951.60	-817.41	40°10'20.582"N	104°37'11.784"W	1.54	
7647.00	89.220	178.010	6947.73	1128.25	-1036.55	-814.65	40°10'19.743"N	104°37'11.748"W	0.69	
7733.00	89.970	177.490	6948.34	1213.13	-1122.48	-811.27	40°10'18.893"N	104°37'11.705"W	1.06	
7818.00	89.750	176.970	6948.55	1296.89	-1207.38	-807.16	40°10'18.054"N	104°37'11.652"W	0.66	
7903.00	91.140	174.580	6947.89	1380.25	-1292.14	-800.90	40°10'17.217"N	104°37'11.571"W	3.25	
7989.00	89.200	174.260	6947.63	1464.18	-1377.73	-792.54	40°10'16.371"N	104°37'11.463"W	2.29	
8074.00	90.310	174.280	6948.00	1547.08	-1462.30	-784.05	40°10'15.535"N	104°37'11.354"W	1.31	
8159.00	89.910	173.230	6947.84	1629.82	-1546.79	-774.81	40°10'14.700"N	104°37'11.235"W	1.32	
8245.00	91.880	174.650	6946.49	1713.57	-1632.30	-765.73	40°10'13.855"N	104°37'11.118"W	2.82	
8330.00	90.310	173.310	6944.87	1796.36	-1716.81	-756.82	40°10'13.020"N	104°37'11.003"W	2.43	
8415.00	91.020	174.290	6943.88	1879.11	-1801.30	-747.64	40°10'12.185"N	104°37'10.885"W	1.42	
8501.00	91.110	174.470	6942.28	1963.01	-1886.88	-739.22	40°10'11.340"N	104°37'10.776"W	0.23	
8586.00	90.710	173.650	6940.93	2045.83	-1971.41	-730.42	40°10'10.504"N	104°37'10.663"W	1.07	
8671.00	90.590	173.760	6939.97	2128.55	-2055.89	-721.10	40°10'09.670"N	104°37'10.543"W	0.19	
8757.00	90.800	174.210	6938.92	2212.33	-2141.41	-712.09	40°10'08.824"N	104°37'10.427"W	0.58	
8842.00	89.630	172.790	6938.61	2294.97	-2225.86	-702.47	40°10'07.990"N	104°37'10.303"W	2.16	
8927.00	90.220	172.660	6938.72	2377.34	-2310.17	-691.71	40°10'07.157"N	104°37'10.164"W	0.71	
9012.00	88.950	173.490	6939.33	2459.83	-2394.55	-681.46	40°10'06.323"N	104°37'10.032"W	1.78	
9098.00	88.680	174.740	6941.11	2543.64	-2480.08	-672.64	40°10'05.478"N	104°37'09.919"W	1.49	
9183.00	89.450	175.520	6942.50	2626.81	-2564.76	-665.43	40°10'04.641"N	104°37'09.826"W	1.29	
9268.00	88.890	175.280	6943.73	2710.06	-2649.47	-658.61	40°10'03.804"N	104°37'09.738"W	0.72	
9353.00	90.370	176.320	6944.28	2793.43	-2734.24	-652.39	40°10'02.966"N	104°37'09.657"W	2.13	
9438.00	90.740	176.380	6943.46	2876.96	-2819.06	-646.98	40°10'02.128"N	104°37'09.588"W	0.44	
9524.00	89.440	174.750	6943.32	2961.25	-2904.80	-640.33	40°10'01.281"N	104°37'09.502"W	2.42	
9609.00	90.330	175.400	6943.49	3044.41	-2989.49	-633.03	40°10'00.444"N	104°37'09.408"W	1.30	
9695.00	89.590	174.990	6943.55	3128.58	-3075.18	-625.82	40°09'59.597"N	104°37'09.315"W	0.98	
9780.00	89.380	176.030	6944.32	3211.87	-3159.92	-619.17	40°09'58.760"N	104°37'09.230"W	1.25	
9865.00	89.900	176.760	6944.85	3295.41	-3244.75	-613.83	40°09'57.921"N	104°37'09.161"W	1.05	
9951.00	89.900	180.440	6945.00	3380.47	-3330.71	-611.73	40°09'57.072"N	104°37'09.134"W	4.28	
10040.00	90.550	180.240	6944.65	3468.87	-3419.70	-612.25	40°09'56.192"N	104°37'09.140"W	0.76	
10125.00	90.830	180.150	6943.63	3553.26	-3504.70	-612.54	40°09'55.352"N	104°37'09.144"W	0.35	
10211.00	89.780	179.690	6943.17	3638.60	-3590.69	-612.42	40°09'54.503"N	104°37'09.142"W	1.33	
10296.00	90.460	180.650	6942.99	3723.00	-3675.69	-612.68	40°09'53.663"N	104°37'09.146"W	1.38	
10381.00	90.270	180.180	6942.45	3807.43	-3760.69	-613.29	40°09'52.823"N	104°37'09.154"W	0.60	
10467.00	90.270	180.960	6942.04	3892.89	-3846.68	-614.15	40°09'51.973"N	104°37'09.165"W	0.91	



# Actual Wellpath Report

DECHANT 13N-1HZ AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR-MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#04 DECHANT 13N-1HZ (250'FSL & 1333'FWL, SEC.36)
Area	COLORADO	Well	DECHANT 13N-1HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	DECHANT 13N-1HZ AWB
Facility	SEC.36-T3N-R65W		

## WELLPATH DATA (147 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
10552.00	90.770	180.680	6941.27	3977.39	-3931.67	-615.36	40°09'51.133"N	104°37'09.180"W	0.67	
10637.00	89.440	179.040	6941.12	4061.72	-4016.66	-615.16	40°09'50.293"N	104°37'09.178"W	2.48	
10722.00	89.470	180.370	6941.92	4146.02	-4101.66	-614.72	40°09'49.453"N	104°37'09.172"W	1.57	
10808.00	88.890	180.570	6943.16	4231.45	-4187.65	-615.42	40°09'48.603"N	104°37'09.181"W	0.71	
10893.00	89.380	179.660	6944.44	4315.83	-4272.63	-615.59	40°09'47.764"N	104°37'09.183"W	1.22	
10978.00	89.620	177.940	6945.18	4399.95	-4357.61	-613.81	40°09'46.924"N	104°37'09.160"W	2.04	
11063.00	89.720	177.780	6945.67	4483.87	-4442.55	-610.64	40°09'46.085"N	104°37'09.119"W	0.22	
11149.00	90.710	177.770	6945.35	4568.75	-4528.48	-607.30	40°09'45.235"N	104°37'09.076"W	1.15	
11234.00	91.080	177.960	6944.02	4652.66	-4613.41	-604.13	40°09'44.396"N	104°37'09.035"W	0.49	
11319.00	91.200	177.770	6942.33	4736.56	-4698.34	-600.97	40°09'43.557"N	104°37'08.995"W	0.26	
11405.00	92.250	178.340	6939.74	4821.47	-4784.25	-598.05	40°09'42.708"N	104°37'08.957"W	1.39	Last BHI MWD+IFR Surveys
11468.00	92.250	178.340	6937.27	4883.70	-4847.17	-596.23	40°09'42.086"N	104°37'08.933"W	0.00	Projection to Bit

## HOLE & CASING SECTIONS - Ref Wellbore: DECHANT 13N-1HZ AWB Ref Wellpath: DECHANT 13N-1HZ 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]
13.5in Open Hole	17.00	729.00	712.00	17.00	728.97	0.00	0.00	3.74	-3.22
9.625in Casing Surface	17.00	729.00	712.00	17.00	728.97	0.00	0.00	3.74	-3.22
8.75in Open Hole	729.00	7387.00	6658.00	728.97	6941.69	3.74	-3.22	-776.84	-823.92
7in Casing Intermediate	17.00	7377.00	7360.00	17.00	6940.96	0.00	0.00	-766.87	-824.20
6.125in Open Hole	7377.00	11467.00	4090.00	6940.96	6937.31	-766.87	-824.20	-4846.17	-596.26



# Actual Wellpath Report

DECHANT 13N-1HZ AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR-MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#04 DECHANT 13N-1HZ (250'FSL & 1333'FWL, SEC.36)
Area	COLORADO	Well	DECHANT 13N-1HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	DECHANT 13N-1HZ AWB
Facility	SEC.36-T3N-R65W		

## TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
SECTION 1 LINES		0.00	0.00	0.00	3246732.57	1307822.42	40°10'29.986"N	104°37'01.254"W	polygon
SECTION 36 LINES		0.00	0.00	0.00	3246732.57	1307822.42	40°10'29.986"N	104°37'01.254"W	polygon
DECHANT 13N-1HZ BHL REV-4 (460'FSL & 613'FWL, SEC.01)		6944.00	-4875.10	-593.71	3246187.46	1302941.86	40°09'41.810"N	104°37'08.901"W	point
DECHANT 13N-1HZ LAND BOX		6946.00	0.00	0.00	3246732.57	1307822.42	40°10'29.986"N	104°37'01.254"W	polygon
DECHANT 12-1 100' CIRCLE		6966.00	-2093.69	-838.72	3245914.78	1305720.57	40°10'09.296"N	104°37'12.058"W	circle
DECHANT 13N-1HZ BHL ON PLAT REV-2 (460'FSL & 513'FWL, SEC.01)		6966.00	-4875.10	-693.71	3246087.47	1302940.87	40°09'41.810"N	104°37'10.189"W	point
DECHANT 13N-1HZ BHL REV-3 (460'FSL & 658'FWL, SEC.01)		6966.00	-4875.10	-548.71	3246232.46	1302942.31	40°09'41.810"N	104°37'08.321"W	point
DECHANT X 01-04 150' CIRCLE		6966.00	-789.30	-660.99	3246079.50	1307026.61	40°10'22.186"N	104°37'09.769"W	circle
SPIKE STATE GWS H 36-13 150' CIRCLE		6966.00	0.00	0.00	3246732.57	1307822.42	40°10'29.986"N	104°37'01.254"W	point
SECTION 01 HARDLINES (460' SETBACKS)		7000.00	0.00	0.00	3246732.57	1307822.42	40°10'29.986"N	104°37'01.254"W	polygon
SECTION 36 HARDLINES (460' SETBACKS)		7000.00	0.00	0.00	3246732.57	1307822.42	40°10'29.986"N	104°37'01.254"W	polygon

## WELLPATH COMPOSITION - Ref Wellbore: DECHANT 13N-1HZ AWB Ref Wellpath: DECHANT 13N-1HZ AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
17.00	617.00	Generic gyro - continuous (Standard)	GYRO DATA SURVEYS <117-617>	DECHANT 13N-1HZ AWB
617.00	7335.00	NaviTrak (MAGCORR,IFR)	BHI MWD+IFR SURVEYS 8 3/4" HOLE <747-7335>	DECHANT 13N-1HZ AWB
7335.00	11405.00	OnTrak (MAGCORR,IFR)	BHI MWD+IFR SURVEYS 6 1/8" HOLE <7477-11405>	DECHANT 13N-1HZ AWB
11405.00	11468.00	Blind Drilling (std)	Projection to bit	DECHANT 13N-1HZ AWB





# Actual Wellpath Report

DECHANT 13N-1HZ AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR-MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#04 DECHANT 13N-1HZ (250'FSL & 1333'FWL, SEC.36)
Area	COLORADO	Well	DECHANT 13N-1HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	DECHANT 13N-1HZ AWB
Facility	SEC.36-T3N-R65W		

## WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
17.00	0.000	340.840	17.00	Tie-On
117.00	0.870	340.840	117.00	Begin GYRO Surveys
617.00	0.170	132.170	616.97	Tie-Into GYRO Surveys
747.00	0.280	257.000	746.97	Begin BHI MWD+IFR Surveys
7377.00	85.612	178.472	6940.96	7" Casing Point
11405.00	92.250	178.340	6939.74	Last BHI MWD+IFR Surveys
11468.00	92.250	178.340	6937.27	Projection to Bit