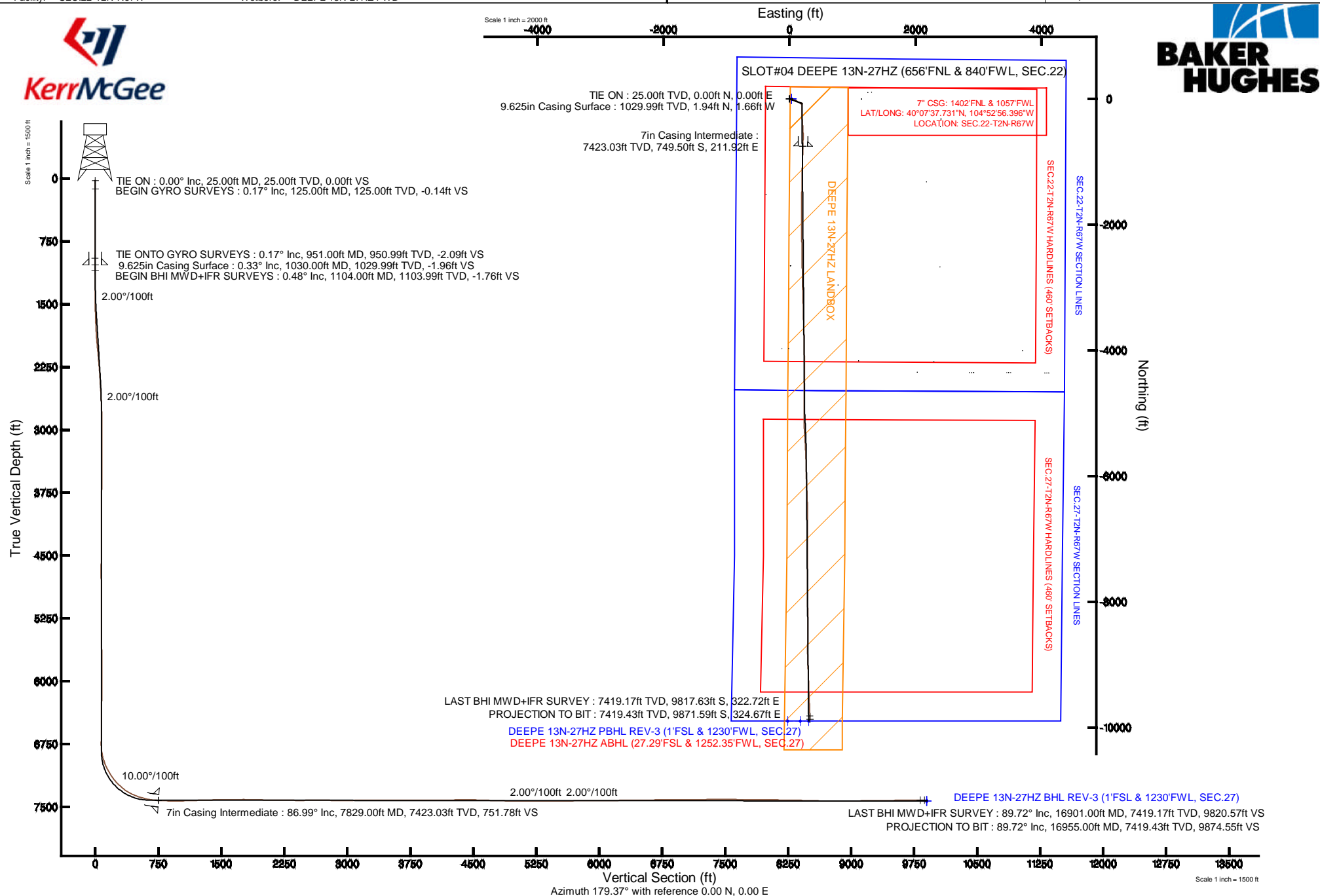


KERR-MCGEE OIL & GAS ONSHORE LP

Location:	COLORADO	Slot:	SLOT#04 DEEPE 13N-27HZ (656'FNL & 840'FWL, SEC.22)
Field:	WELD COUNTY (KERR MCGEE)	Well:	DEEPE 13N-27HZ
Facility:	SEC.22-T2N-R67W	Wellbore:	DEEPE 13N-27HZ PWB

Plot reference wellpath is DEEPE 13N-27HZ (REV-C.0) PWP

True vertical depths are referenced to PRECISION 595 (25KB) (RKB)	Grid System: NAD83 / Lambert Colorado SP, Northern Zone (501), US feet
Measured depths are referenced to PRECISION 595 (25KB) (RKB)	North Reference: True north
PRECISION 595 (25KB) (RKB) to Mean Sea Level: 5032 feet	Scale: True distance
Mean Sea Level to Mud line (At Slot: SLOTH04 DEEPE 13N-27HZ (656 FNL & 840 FWL, SEC.22)): 0 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: robaleo1 on 13/Jun/2014



Actual Wellpath Report

DEEPE 13N-27HZ AWP

Page 1 of 6

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR-MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#04 DEEPE 13N-27HZ (656'FNL & 840'FWL, SEC.22)
Area	COLORADO	Well	DEEPE 13N-27HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	DEEPE 13N-27HZ AWB
Facility	SEC.22-T2N-R67W		

REPORT SETUP INFORMATION

Projection System	NAD83 / Lambert Colorado SP, Northern Zone (501), US feet	Software System	WellArchitect® 4.0.0
North Reference	True	User	Robiale01
Scale	0.999959	Report Generated	13/Jun/2014 at 10:04
Convergence at slot	n/a	Database/Source file	WellArchitectDB/DEEPE_13N-27HZ_AWB.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-107.84	-1270.39	3172500.72	1290513.22	40°07'45.138"N	104°52'59.124"W
Facility Reference Pt			3173770.27	1290629.95	40°07'46.204"N	104°52'42.769"W
Field Reference Pt			3197771.84	1268891.29	40°04'09.600"N	104°47'36.000"W

WELLPATH DATUM

Calculation method	Minimum curvature	PRECISION 595 (25'KB) (RKB) to Facility Vertical Datum	5032.00ft
Horizontal Reference Pt	Slot	PRECISION 595 (25'KB) (RKB) to Mean Sea Level	5032.00ft
Vertical Reference Pt	PRECISION 595 (25'KB) (RKB)	PRECISION 595 (25'KB) (RKB) to Mud Line at Slot (SLOT#04 DEEPE 13N-27HZ (656'FNL & 840'FWL, SEC.22))	5032.00ft
MD Reference Pt	PRECISION 595 (25'KB) (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	178.12°

Actual Wellpath Report

DEEPE 13N-27HZ AWP

Page 2 of 6

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR-MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#04 DEEPE 13N-27HZ (656'FNL & 840'FWL, SEC.22)
Area	COLORADO	Well	DEEPE 13N-27HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	DEEPE 13N-27HZ AWP
Facility	SEC.22-T2N-R67W		

WELLPATH DATA (131 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	18.240	0.00	0.00	0.00	0.00	40°07'45.138"N	104°52'59.124"W	0.00	
25.00	0.000	18.240	25.00	0.00	0.00	0.00	40°07'45.138"N	104°52'59.124"W	0.00	TIE ON
125.00	0.170	18.240	125.00	-0.14	0.14	0.05	40°07'45.139"N	104°52'59.123"W	0.17	BEGIN GYRO SURVEYS
225.00	0.450	5.930	225.00	-0.67	0.67	0.13	40°07'45.145"N	104°52'59.122"W	0.29	
325.00	0.130	320.450	325.00	-1.15	1.15	0.10	40°07'45.149"N	104°52'59.123"W	0.37	
425.00	0.250	104.730	425.00	-1.17	1.18	0.24	40°07'45.150"N	104°52'59.121"W	0.36	
525.00	0.470	338.130	525.00	-1.50	1.51	0.30	40°07'45.153"N	104°52'59.120"W	0.65	
625.00	0.420	279.230	624.99	-1.95	1.95	-0.22	40°07'45.157"N	104°52'59.127"W	0.44	
725.00	0.120	255.460	724.99	-2.00	1.98	-0.68	40°07'45.158"N	104°52'59.133"W	0.31	
825.00	0.120	326.160	824.99	-2.07	2.04	-0.84	40°07'45.158"N	104°52'59.135"W	0.14	
925.00	0.380	265.040	924.99	-2.14	2.10	-1.23	40°07'45.159"N	104°52'59.140"W	0.34	
951.00	0.170	245.700	950.99	-2.12	2.08	-1.35	40°07'45.159"N	104°52'59.141"W	0.87	TIE ONTO GYRO SURVEYS
1104.00	0.480	247.030	1103.99	-1.80	1.73	-2.15	40°07'45.155"N	104°52'59.152"W	0.20	BEGIN BHI MWD+IFR SURVEYS
1199.00	1.020	120.330	1198.98	-1.21	1.15	-1.78	40°07'45.149"N	104°52'59.147"W	1.43	
1293.00	2.130	98.130	1292.95	-0.46	0.48	0.67	40°07'45.143"N	104°52'59.115"W	1.33	
1388.00	3.280	82.260	1387.84	-0.43	0.60	5.11	40°07'45.144"N	104°52'59.058"W	1.43	
1482.00	5.010	92.320	1481.59	-0.40	0.79	11.88	40°07'45.146"N	104°52'58.971"W	1.99	
1576.00	6.510	98.160	1575.12	0.83	-0.13	21.25	40°07'45.137"N	104°52'58.850"W	1.71	
1671.00	7.850	104.850	1669.37	3.64	-2.56	32.86	40°07'45.113"N	104°52'58.701"W	1.66	
1765.00	8.990	109.760	1762.36	8.19	-6.69	45.97	40°07'45.072"N	104°52'58.532"W	1.43	
1859.00	10.200	110.490	1855.04	14.07	-12.08	60.68	40°07'45.019"N	104°52'58.343"W	1.29	
1952.00	10.710	113.720	1946.50	20.94	-18.44	76.31	40°07'44.956"N	104°52'58.142"W	0.84	
2045.00	11.510	119.210	2037.76	29.47	-26.45	92.32	40°07'44.877"N	104°52'57.936"W	1.43	
2140.00	10.580	118.130	2131.00	38.72	-35.18	108.28	40°07'44.790"N	104°52'57.730"W	1.00	
2235.00	9.510	117.150	2224.54	46.90	-42.88	122.96	40°07'44.714"N	104°52'57.541"W	1.14	
2329.00	9.010	117.680	2317.31	54.30	-49.84	136.39	40°07'44.645"N	104°52'57.368"W	0.54	
2423.00	8.410	115.880	2410.23	61.13	-56.26	149.09	40°07'44.582"N	104°52'57.205"W	0.70	
2518.00	7.910	114.650	2504.27	67.29	-62.02	161.28	40°07'44.525"N	104°52'57.048"W	0.56	
2612.00	6.770	115.270	2597.49	72.70	-67.08	172.17	40°07'44.475"N	104°52'56.908"W	1.22	
2706.00	5.690	111.740	2690.94	77.10	-71.17	181.51	40°07'44.435"N	104°52'56.787"W	1.22	
2801.00	3.850	104.570	2785.61	79.89	-73.72	188.97	40°07'44.409"N	104°52'56.691"W	2.03	
2895.00	3.500	103.060	2879.41	81.52	-75.16	194.82	40°07'44.395"N	104°52'56.616"W	0.39	
2988.00	1.650	107.670	2972.31	82.70	-76.21	198.86	40°07'44.385"N	104°52'56.564"W	2.00	
3079.00	0.730	241.150	3063.30	83.41	-76.89	199.60	40°07'44.378"N	104°52'56.554"W	2.44	
3263.00	0.890	241.850	3247.28	84.57	-78.13	197.32	40°07'44.366"N	104°52'56.584"W	0.09	
3448.00	0.980	304.150	3432.26	84.28	-77.92	194.74	40°07'44.368"N	104°52'56.617"W	0.52	
3540.00	0.940	19.400	3524.25	83.11	-76.76	194.34	40°07'44.379"N	104°52'56.622"W	1.27	
3724.00	1.230	322.160	3708.23	80.10	-73.78	193.63	40°07'44.409"N	104°52'56.631"W	0.58	
4086.00	1.380	244.750	4070.16	78.69	-72.57	187.30	40°07'44.421"N	104°52'56.713"W	0.45	
4444.00	1.200	337.030	4428.10	76.90	-70.96	181.94	40°07'44.437"N	104°52'56.782"W	0.52	
4803.00	0.660	130.820	4787.08	74.79	-68.85	182.04	40°07'44.458"N	104°52'56.780"W	0.51	
5162.00	0.740	264.900	5146.06	76.33	-70.41	181.29	40°07'44.442"N	104°52'56.790"W	0.36	
5342.00	1.540	213.230	5326.03	78.37	-72.53	178.81	40°07'44.421"N	104°52'56.822"W	0.68	
5432.00	0.770	60.630	5416.02	79.08	-73.25	178.67	40°07'44.414"N	104°52'56.824"W	2.50	
5521.00	0.370	13.940	5505.02	78.53	-72.68	179.26	40°07'44.420"N	104°52'56.816"W	0.65	

Actual Wellpath Report

DEEPE 13N-27HZ AWP

Page 3 of 6

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR-MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#04 DEEPE 13N-27HZ (656'FNL & 840'FWL, SEC.22)
Area	COLORADO	Well	DEEPE 13N-27HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	DEEPE 13N-27HZ AWP
Facility	SEC.22-T2N-R67W		

WELLPATH DATA (131 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
5611.00	1.830	135.050	5595.00	79.30	-73.41	180.35	40°07'44.413"N	104°52'56.802"W	2.27	
5790.00	1.370	148.160	5773.93	83.24	-77.25	183.50	40°07'44.375"N	104°52'56.762"W	0.33	
5880.00	1.540	81.350	5863.91	84.03	-77.98	185.26	40°07'44.367"N	104°52'56.739"W	1.79	
6149.00	1.650	54.640	6132.81	81.47	-75.20	191.99	40°07'44.395"N	104°52'56.652"W	0.28	
6418.00	0.800	42.030	6401.75	77.98	-71.56	196.41	40°07'44.431"N	104°52'56.595"W	0.33	
6688.00	0.610	25.970	6671.73	75.35	-68.87	198.30	40°07'44.457"N	104°52'56.571"W	0.10	
6778.00	0.740	98.460	6761.72	75.03	-68.52	199.08	40°07'44.461"N	104°52'56.561"W	0.89	
6823.00	4.680	173.450	6806.67	76.91	-70.39	199.58	40°07'44.442"N	104°52'56.555"W	10.10	
6867.00	8.930	181.190	6850.35	82.12	-75.59	199.72	40°07'44.391"N	104°52'56.553"W	9.86	
6912.00	13.470	182.940	6894.48	90.83	-84.32	199.37	40°07'44.305"N	104°52'56.557"W	10.12	
6957.00	17.320	180.940	6937.86	102.75	-96.26	199.00	40°07'44.187"N	104°52'56.562"W	8.64	
7002.00	21.360	180.030	6980.31	117.64	-111.16	198.88	40°07'44.040"N	104°52'56.548"W	9.00	
7047.00	24.570	181.030	7021.74	135.17	-128.71	198.71	40°07'43.866"N	104°52'56.566"W	7.19	
7092.00	28.360	178.570	7062.02	155.21	-148.76	198.81	40°07'43.668"N	104°52'56.565"W	8.77	
7137.00	30.810	177.540	7101.15	177.43	-170.96	199.57	40°07'43.449"N	104°52'56.555"W	5.56	
7182.00	34.440	179.910	7139.04	201.68	-195.21	200.08	40°07'43.209"N	104°52'56.548"W	8.55	
7227.00	38.690	181.190	7175.18	228.45	-222.01	199.81	40°07'42.944"N	104°52'56.552"W	9.59	
7272.00	43.150	180.510	7209.17	257.89	-251.47	199.38	40°07'42.653"N	104°52'56.557"W	9.96	
7316.00	46.830	178.770	7240.29	288.98	-282.57	199.59	40°07'42.346"N	104°52'56.554"W	8.82	
7361.00	50.390	177.020	7270.04	322.73	-316.30	200.85	40°07'42.012"N	104°52'56.538"W	8.43	
7406.00	53.500	175.620	7297.77	358.14	-351.65	203.13	40°07'41.663"N	104°52'56.509"W	7.33	
7451.00	59.290	176.140	7322.67	395.57	-389.02	205.82	40°07'41.294"N	104°52'56.474"W	12.90	
7496.00	63.780	175.820	7344.11	435.10	-428.47	208.59	40°07'40.904"N	104°52'56.439"W	10.00	
7541.00	68.760	177.110	7362.21	476.26	-469.58	211.12	40°07'40.498"N	104°52'56.406"W	11.37	
7586.00	71.440	177.120	7377.53	518.56	-511.83	213.25	40°07'40.080"N	104°52'56.379"W	5.96	
7631.00	73.740	177.940	7390.99	561.50	-554.73	215.10	40°07'39.656"N	104°52'56.355"W	5.40	
7676.00	76.430	179.260	7402.58	604.97	-598.19	216.16	40°07'39.227"N	104°52'56.341"W	6.62	
7720.00	80.010	182.010	7411.56	647.99	-641.25	215.67	40°07'38.801"N	104°52'56.348"W	10.18	
7765.00	83.640	182.830	7417.96	692.40	-685.75	213.79	40°07'38.361"N	104°52'56.372"W	8.27	
7813.00	86.420	181.000	7422.11	740.11	-733.53	212.20	40°07'37.889"N	104°52'56.392"W	6.93	
7829.00†	86.992	181.000	7423.03	756.06	-749.50	211.92	40°07'37.731"N	104°52'56.396"W	3.58	7" CASING POINT
7858.00	88.030	181.000	7424.29	785.00	-778.47	211.41	40°07'37.445"N	104°52'56.402"W	3.58	
7896.00	88.080	181.710	7425.58	822.92	-816.44	210.51	40°07'37.070"N	104°52'56.414"W	1.87	
8076.00	90.560	181.940	7427.72	1002.51	-996.32	204.78	40°07'35.292"N	104°52'56.488"W	1.38	
8256.00	92.410	181.170	7423.05	1182.12	-1176.18	199.90	40°07'33.515"N	104°52'56.551"W	1.11	
8435.00	91.240	181.020	7417.35	1360.78	-1355.06	196.48	40°07'31.747"N	104°52'56.595"W	0.66	
8615.00	90.840	180.330	7414.09	1540.57	-1535.01	194.36	40°07'29.969"N	104°52'56.622"W	0.44	
8795.00	90.590	180.430	7411.84	1720.42	-1715.00	193.17	40°07'28.190"N	104°52'56.637"W	0.15	
8975.00	88.200	181.360	7413.74	1900.18	-1894.95	190.35	40°07'26.412"N	104°52'56.674"W	1.42	
9064.00	88.550	179.170	7416.27	1989.08	-1983.91	189.94	40°07'25.533"N	104°52'56.679"W	2.49	
9154.00	88.830	179.240	7418.32	2079.04	-2073.87	191.19	40°07'24.644"N	104°52'56.663"W	0.32	
9249.00	89.970	178.850	7419.32	2174.02	-2168.85	192.78	40°07'23.705"N	104°52'56.642"W	1.27	
9437.00	88.820	178.910	7421.30	2361.99	-2356.80	196.45	40°07'21.848"N	104°52'56.595"W	0.61	
9626.00	91.550	179.260	7420.69	2550.94	-2545.76	199.47	40°07'19.981"N	104°52'56.556"W	1.46	
9815.00	88.610	178.960	7420.43	2739.89	-2734.72	202.40	40°07'18.113"N	104°52'56.519"W	1.56	

Actual Wellpath Report

DEEPE 13N-27HZ AWP

Page 4 of 6

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR-MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#04 DEEPE 13N-27HZ (656'FNL & 840'FWL, SEC.22)
Area	COLORADO	Well	DEEPE 13N-27HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	DEEPE 13N-27HZ AWB
Facility	SEC.22-T2N-R67W		

WELLPATH DATA (131 stations)										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
10004.00	90.190	179.130	7422.41	2928.85	-2923.68	205.55	40°07'16.246"N	104°52'56.478"W	0.84	
10190.00	90.400	177.890	7421.45	3114.84	-3109.61	210.39	40°07'14.409"N	104°52'56.416"W	0.68	
10375.00	90.220	178.900	7420.45	3299.83	-3294.53	215.57	40°07'12.581"N	104°52'56.349"W	0.55	
10558.00	90.810	177.980	7418.80	3482.82	-3477.45	220.55	40°07'10.773"N	104°52'56.285"W	0.60	
10743.00	89.260	178.530	7418.69	3667.81	-3662.36	226.19	40°07'08.946"N	104°52'56.213"W	0.89	
10927.00	90.470	178.210	7419.12	3851.81	-3846.28	231.42	40°07'07.129"N	104°52'56.145"W	0.68	
11110.00	89.880	179.760	7418.57	4034.78	-4029.24	234.66	40°07'05.321"N	104°52'56.031"W	0.91	
11293.00	90.870	179.220	7417.37	4217.72	-4212.23	236.29	40°07'03.512"N	104°52'56.083"W	0.62	
11481.00	90.400	180.700	7415.28	4405.61	-4400.21	236.42	40°07'01.655"N	104°52'56.081"W	0.83	
11670.00	87.810	180.830	7418.24	4594.36	-4589.16	233.90	40°06'59.787"N	104°52'56.113"W	1.37	
11858.00	88.390	180.140	7424.47	4782.10	-4777.04	232.31	40°06'57.931"N	104°52'56.134"W	0.48	
12043.00	89.350	180.320	7428.12	4966.93	-4962.00	231.56	40°06'56.103"N	104°52'56.143"W	0.53	
12222.00	89.350	179.250	7430.15	5145.84	-5140.99	232.24	40°06'54.334"N	104°52'56.135"W	0.60	
12312.00	89.880	178.040	7430.75	5235.84	-5230.96	234.36	40°06'53.445"N	104°52'56.107"W	1.47	
12402.00	89.850	176.620	7430.97	5325.83	-5320.86	238.56	40°06'52.557"N	104°52'56.053"W	1.58	
12581.00	90.370	176.520	7430.62	5504.76	-5499.54	249.27	40°06'50.791"N	104°52'55.916"W	0.30	
12761.00	91.770	177.250	7427.26	5684.68	-5679.23	259.05	40°06'49.015"N	104°52'55.790"W	0.88	
12940.00	90.500	179.570	7423.71	5863.63	-5858.11	264.01	40°06'47.247"N	104°52'55.726"W	1.48	
13120.00	89.750	178.110	7423.32	6043.61	-6038.07	267.65	40°06'45.469"N	104°52'55.679"W	0.91	
13299.00	91.210	177.810	7421.82	6222.59	-6216.95	274.03	40°06'43.701"N	104°52'55.597"W	0.83	
13479.00	90.680	177.940	7418.85	6402.57	-6396.80	280.70	40°06'41.924"N	104°52'55.511"W	0.30	
13568.00	89.940	178.540	7418.37	6491.57	-6485.75	283.43	40°06'41.045"N	104°52'55.476"W	1.07	
13748.00	91.210	179.240	7416.57	6671.53	-6665.71	286.92	40°06'39.267"N	104°52'55.431"W	0.81	
13927.00	90.190	180.130	7414.38	6850.45	-6844.69	287.90	40°06'37.498"N	104°52'55.419"W	0.76	
14106.00	89.600	180.360	7414.71	7029.33	-7023.68	287.14	40°06'35.729"N	104°52'55.428"W	0.35	
14285.00	91.510	180.890	7412.97	7208.14	-7202.65	285.19	40°06'33.961"N	104°52'55.454"W	1.11	
14465.00	89.690	179.940	7411.09	7387.97	-7382.63	283.88	40°06'32.182"N	104°52'55.470"W	1.14	
14645.00	90.030	180.450	7411.53	7567.85	-7562.63	283.27	40°06'30.403"N	104°52'55.478"W	0.34	
14824.00	89.540	179.500	7412.20	7746.75	-7741.62	283.35	40°06'28.634"N	104°52'55.477"W	0.60	
15004.00	88.980	179.240	7414.52	7926.70	-7921.60	285.33	40°06'26.856"N	104°52'55.452"W	0.34	
15192.00	89.780	178.880	7416.56	8114.66	-8109.56	288.41	40°06'24.998"N	104°52'55.412"W	0.47	
15371.00	88.830	178.640	7418.73	8293.63	-8288.50	292.28	40°06'23.230"N	104°52'55.362"W	0.55	
15551.00	88.290	181.250	7423.25	8473.47	-8468.43	292.46	40°06'21.452"N	104°52'55.360"W	1.48	
15731.00	89.040	181.310	7427.45	8653.14	-8648.33	288.44	40°06'19.674"N	104°52'55.412"W	0.42	
15910.00	89.880	178.980	7429.14	8832.01	-8827.31	287.98	40°06'17.905"N	104°52'55.418"W	1.38	
16090.00	90.740	178.100	7428.16	9012.00	-9007.25	292.57	40°06'16.127"N	104°52'55.359"W	0.68	
16269.00	90.860	177.840	7425.66	9190.98	-9186.12	298.91	40°06'14.360"N	104°52'55.277"W	0.16	
16539.00	90.610	177.960	7422.20	9460.95	-9455.91	308.80	40°06'11.694"N	104°52'55.150"W	0.10	
16718.00	90.800	177.650	7420.00	9639.94	-9634.77	315.66	40°06'09.926"N	104°52'55.062"W	0.20	
16901.00	89.720	177.930	7419.17	9822.93	-9817.63	322.72	40°06'08.119"N	104°52'54.971"W	0.61	LAST BHI MWD+IFR SURVEY
16955.00	89.720	177.930	7419.43	9876.93	-9871.59	324.67	40°06'07.586"N	104°52'54.946"W	0.00	PROJECTION TO BIT

Actual Wellpath Report

DEEPE 13N-27HZ AWP

Page 5 of 6

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR-MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#04 DEEPE 13N-27HZ (656'FNL & 840'FWL, SEC.22)
Area	COLORADO	Well	DEEPE 13N-27HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	DEEPE 13N-27HZ AWB
Facility	SEC.22-T2N-R67W		

HOLE & CASING SECTIONS - Ref Wellbore: DEEPE 13N-27HZ AWB Ref Wellpath: DEEPE 13N-27HZ 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	25.00	1040.00	1015.00	25.00	1039.99	0.00	0.00	1.91	-1.72
9.625in Casing Surface	25.00	1030.00	1005.00	25.00	1029.99	0.00	0.00	1.94	-1.66
8.75in Open Hole	1040.00	7862.00	6822.00	1039.99	7424.43	1.91	-1.72	-782.47	211.34
7in Casing Intermediate	25.00	7829.00	7804.00	25.00	7423.03	0.00	0.00	-749.50	211.92
6.125in Open Hole	7862.00	16955.00	9093.00	7424.43	7419.43	-782.47	211.34	-9871.59	324.67

WELLPATH COMPOSITION - Ref Wellbore: DEEPE 13N-27HZ AWB Ref Wellpath: DEEPE 13N-27HZ AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	951.00	Generic gyro - continuous (Standard)	MS ENERGY GYRO SURVEYS <125-951>	DEEPE 13N-27HZ AWB
951.00	7896.00	NaviTrak (MAGCORR,IFR)	BHI NAVITRAK MWD+IFR 8 3/4" <1104-7896>	DEEPE 13N-27HZ AWB
7896.00	16901.00	NaviTrak (MAGCORR,IFR)	BHI NAVITRAK MWD+IFR 6 1/8" <8076-16901>	DEEPE 13N-27HZ AWB
16901.00	16955.00	Blind Drilling (std)	Projection to bit	DEEPE 13N-27HZ AWB

Actual Wellpath Report

DEEPE 13N-27HZ AWP

Page 6 of 6

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR-MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#04 DEEPE 13N-27HZ (656'FNL & 840'FWL, SEC.22)
Area	COLORADO	Well	DEEPE 13N-27HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	DEEPE 13N-27HZ AWB
Facility	SEC.22-T2N-R67W		

WELLPATH COMMENTS				
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
25.00	0.000	18.240	25.00	TIE ON
125.00	0.170	18.240	125.00	BEGIN GYRO SURVEYS
951.00	0.170	245.700	950.99	TIE ONTO GYRO SURVEYS
1104.00	0.480	247.030	1103.99	BEGIN BHI MWD+IFR SURVEYS
7829.00	86.992	181.000	7423.03	7" CASING POINT
16901.00	89.720	177.930	7419.17	LAST BHI MWD+IFR SURVEY
16955.00	89.720	177.930	7419.43	PROJECTION TO BIT