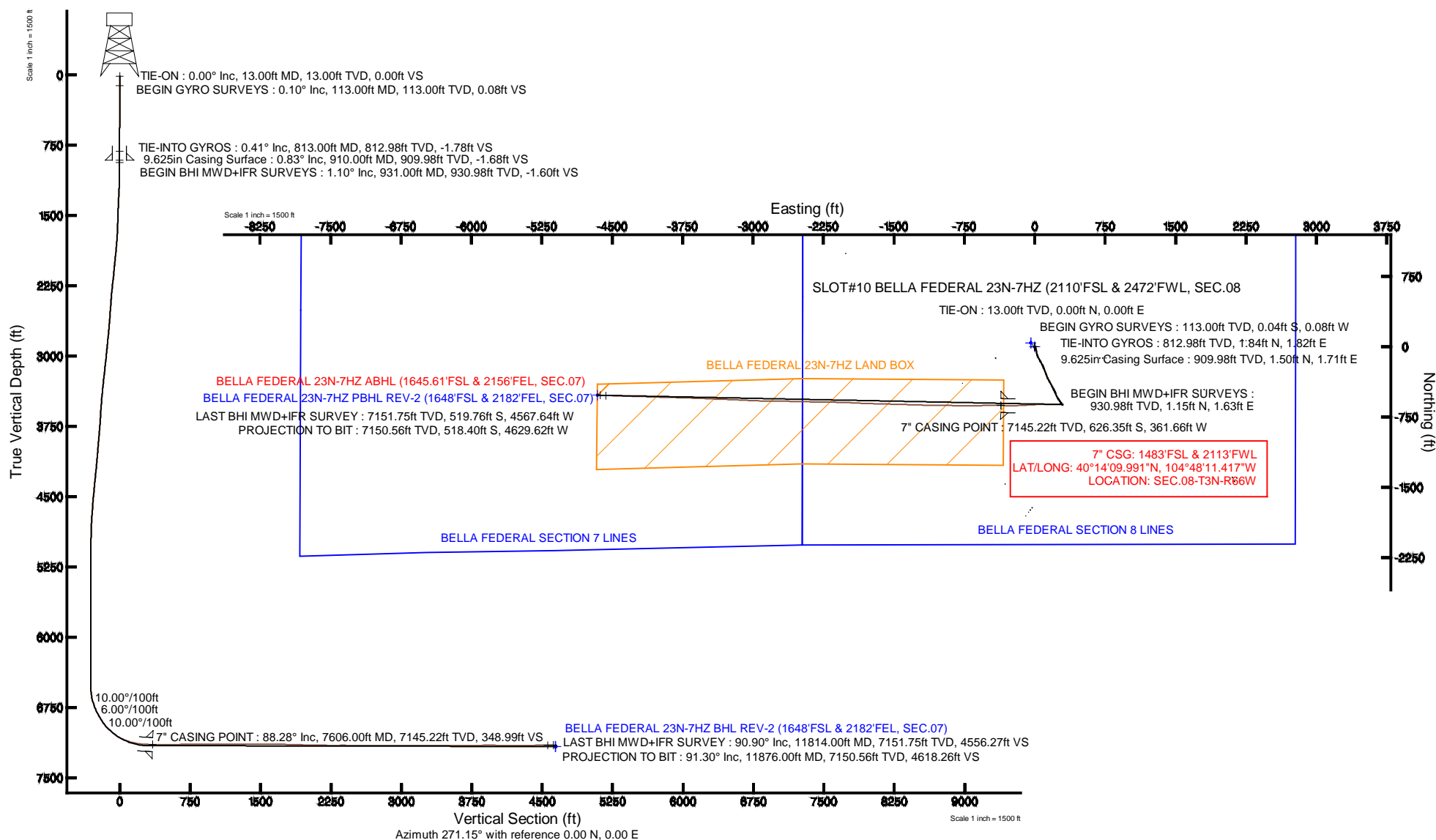


Location:	COLORADO	Slot:	SLOT#10 BELLA FEDERAL 23N-7HZ (2110'FSL & 2472'FWL, SEC.08
Field:	WELD COUNTY (KERR MCGEE)	Well:	BELLA FEDERAL 23N-7HZ
Facility:	SEC.08-T3N-R66W	Wellbore:	BELLA FEDERAL 23N-7HZ PWB

Plot reference wellpath is BELLA FEDERAL 23N-7HZ (REV-B.0) PWP	
True vertical depths are referenced to ENSIGN 138 (RKB)	Grid System: NAD83 / Lambert Colorado SP, Northern Zone (501), US feet
Measured depths are referenced to ENSIGN 138 (RKB)	North Reference: True north
ENSGN 138 (RKB) to Mean Sea Level: 4876 feet	Scale: True distance
Mean Sea Level to Mud line (At Slot: SLOT#10 BELLA FEDERAL 23N-7HZ (2110'FSL & 2472'FWL, SEC.08): 0 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: robale01 on 24/Sep/2013





# Actual Wellpath Report

BELLA FEDERAL 23N-7HZ AWP

Page 1 of 6



## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR-MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#10 BELLA FEDERAL 23N-7HZ (2110'FSL & 2472'FWL, SEC.08
Area	COLORADO	Well	BELLA FEDERAL 23N-7HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	BELLA FEDERAL 23N-7HZ AWB
Facility	SEC.08-T3N-R66W		

## 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	0.999957	Report Generated	24/Sep/2013 at 09:57
Convergence at slot	n/a	Database/Source file	WA_ANADARKO/BELLA_FEDERAL_23N-7HZ_AWB.xml

## WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	130.45	-749.93	3194897.83	1330249.83	40°14'16.181"N	104°48'06.754"W
Facility Reference Pt			3195648.74	1330125.32	40°14'14.892"N	104°47'57.084"W
Field Reference Pt			3197771.84	1268891.29	40°04'09.600"N	104°47'36.000"W

## WELLPATH DATUM

Calculation method	Minimum curvature	ENSIGN 138 (RKB) to Facility Vertical Datum	4876.00ft
Horizontal Reference Pt	Slot	ENSIGN 138 (RKB) to Mean Sea Level	4876.00ft
Vertical Reference Pt	ENSIGN 138 (RKB)	ENSIGN 138 (RKB) to Mud Line at Slot (SLOT#10 BELLA FEDERAL 23N-7HZ (2110'FSL & 2472'FWL, SEC.08)	4876.00ft
MD Reference Pt	ENSIGN 138 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	271.15°



# Actual Wellpath Report

BELLA FEDERAL 23N-7HZ AWP

Page 2 of 6



## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR-MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#10 BELLA FEDERAL 23N-7HZ (2110'FSL & 2472'FWL, SEC.08
Area	COLORADO	Well	BELLA FEDERAL 23N-7HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	BELLA FEDERAL 23N-7HZ AWP
Facility	SEC.08-T3N-R66W		

## WELLPATH DATA (109 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	243.120	0.00	0.00	0.00	0.00	40°14'16.181"N	104°48'06.754"W	0.00	
13.00	0.000	243.120	13.00	0.00	0.00	0.00	40°14'16.181"N	104°48'06.754"W	0.00	TIE-ON
113.00	0.100	243.120	113.00	0.08	-0.04	-0.08	40°14'16.181"N	104°48'06.755"W	0.10	BEGIN GYRO SURVEYS
213.00	0.190	333.650	213.00	0.23	0.07	-0.23	40°14'16.182"N	104°48'06.757"W	0.22	
313.00	0.400	63.340	313.00	0.00	0.37	0.01	40°14'16.185"N	104°48'06.754"W	0.44	
413.00	0.290	130.500	413.00	-0.51	0.37	0.51	40°14'16.185"N	104°48'06.747"W	0.39	
513.00	0.590	120.050	512.99	-1.15	-0.06	1.15	40°14'16.180"N	104°48'06.739"W	0.31	
613.00	0.600	9.690	612.99	-1.68	0.20	1.69	40°14'16.183"N	104°48'06.732"W	0.98	
713.00	0.440	358.460	712.99	-1.74	1.10	1.76	40°14'16.192"N	104°48'06.731"W	0.19	
813.00	0.410	10.950	812.98	-1.78	1.84	1.82	40°14'16.199"N	104°48'06.731"W	0.10	TIE-INTO GYROS
931.00	1.100	194.000	930.98	-1.60	1.15	1.63	40°14'16.192"N	104°48'06.733"W	1.28	BEGIN BHI MWD+IFR SURVEYS
1022.00	1.800	166.300	1021.95	-1.78	-1.08	1.75	40°14'16.170"N	104°48'06.731"W	1.07	
1114.00	3.800	158.300	1113.84	-3.33	-5.32	3.22	40°14'16.128"N	104°48'06.712"W	2.21	
1205.00	5.300	156.200	1204.55	-6.27	-11.97	6.03	40°14'16.063"N	104°48'06.676"W	1.66	
1296.00	6.900	151.300	1295.03	-10.77	-20.61	10.36	40°14'15.977"N	104°48'06.620"W	1.85	
1387.00	7.200	163.100	1385.35	-15.26	-30.86	14.64	40°14'15.876"N	104°48'06.565"W	1.62	
1478.00	8.700	171.300	1475.47	-18.20	-43.12	17.34	40°14'15.755"N	104°48'06.530"W	2.06	
1568.00	9.900	170.400	1564.29	-20.81	-57.48	19.66	40°14'15.613"N	104°48'06.501"W	1.34	
1659.00	10.600	165.800	1653.84	-24.49	-73.30	23.02	40°14'15.457"N	104°48'06.457"W	1.18	
1773.00	11.400	161.000	1765.74	-31.14	-94.12	29.26	40°14'15.251"N	104°48'06.377"W	1.07	
1865.00	11.700	155.500	1855.88	-38.31	-111.21	36.09	40°14'15.082"N	104°48'06.289"W	1.24	
1956.00	11.900	151.400	1944.96	-46.96	-127.84	44.40	40°14'14.918"N	104°48'06.181"W	0.95	
2047.00	10.800	150.700	2034.18	-55.94	-143.52	53.07	40°14'14.763"N	104°48'06.070"W	1.22	
2138.00	11.200	149.900	2123.51	-64.85	-158.60	61.67	40°14'14.614"N	104°48'05.959"W	0.47	
2228.00	11.500	149.800	2211.75	-74.05	-173.91	70.57	40°14'14.462"N	104°48'05.844"W	0.33	
2319.00	11.500	151.700	2300.92	-83.23	-189.74	79.43	40°14'14.306"N	104°48'05.730"W	0.42	
2410.00	10.900	156.100	2390.19	-91.33	-205.59	87.22	40°14'14.149"N	104°48'05.629"W	1.15	
2500.00	10.800	160.100	2478.58	-97.97	-221.30	93.54	40°14'13.994"N	104°48'05.548"W	0.84	
2591.00	10.900	157.100	2567.96	-104.54	-237.24	99.79	40°14'13.837"N	104°48'05.467"W	0.63	
2682.00	12.600	159.500	2657.05	-111.70	-254.47	106.61	40°14'13.666"N	104°48'05.379"W	1.94	
2773.00	13.600	158.600	2745.68	-119.47	-273.73	113.99	40°14'13.476"N	104°48'05.284"W	1.12	
2865.00	14.000	158.300	2835.02	-127.94	-294.14	122.05	40°14'13.274"N	104°48'05.180"W	0.44	
2957.00	14.100	159.500	2924.27	-136.40	-314.97	130.09	40°14'13.068"N	104°48'05.077"W	0.33	
3048.00	13.000	154.900	3012.74	-145.01	-334.63	138.32	40°14'12.874"N	104°48'04.971"W	1.69	
3139.00	13.200	151.400	3101.37	-154.70	-353.02	147.63	40°14'12.692"N	104°48'04.850"W	0.90	
3231.00	12.300	151.600	3191.10	-164.74	-370.86	157.32	40°14'12.516"N	104°48'04.725"W	0.98	
3325.00	12.400	150.600	3282.93	-174.81	-388.46	167.04	40°14'12.342"N	104°48'04.600"W	0.25	
3420.00	10.700	148.200	3376.00	-184.80	-404.84	176.69	40°14'12.180"N	104°48'04.476"W	1.86	
3510.00	10.300	154.600	3464.49	-192.94	-419.21	184.55	40°14'12.038"N	104°48'04.374"W	1.37	
3608.00	8.500	156.200	3561.18	-199.91	-433.76	191.23	40°14'11.895"N	104°48'04.288"W	1.86	
3704.00	8.300	153.100	3656.15	-206.16	-446.43	197.23	40°14'11.769"N	104°48'04.211"W	0.52	
3799.00	8.600	150.400	3750.11	-213.02	-458.72	203.84	40°14'11.648"N	104°48'04.126"W	0.52	
3894.00	9.600	153.200	3843.92	-220.36	-471.97	210.92	40°14'11.517"N	104°48'04.034"W	1.15	
3989.00	11.800	156.900	3937.26	-228.07	-487.97	218.30	40°14'11.359"N	104°48'03.939"W	2.42	
4083.00	11.900	158.000	4029.26	-235.82	-505.80	225.70	40°14'11.183"N	104°48'03.844"W	0.26	



# Actual Wellpath Report

BELLA FEDERAL 23N-7HZ AWP

Page 3 of 6



## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR-MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#10 BELLA FEDERAL 23N-7HZ (2110'FSL & 2472'FWL, SEC.08
Area	COLORADO	Well	BELLA FEDERAL 23N-7HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	BELLA FEDERAL 23N-7HZ AWP
Facility	SEC.08-T3N-R66W		

## WELLPATH DATA (109 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
4178.00	11.700	157.400	4122.25	-243.56	-523.77	233.07	40°14'11.005"N	104°48'03.749"W	0.25	
4273.00	11.600	149.200	4215.30	-252.49	-540.87	241.67	40°14'10.836"N	104°48'03.638"W	1.74	
4368.00	10.100	146.900	4308.60	-262.23	-556.06	251.11	40°14'10.686"N	104°48'03.516"W	1.64	
4463.00	9.200	145.200	4402.26	-271.38	-569.27	259.99	40°14'10.556"N	104°48'03.402"W	0.99	
4558.00	8.200	144.500	4496.16	-279.88	-581.02	268.26	40°14'10.439"N	104°48'03.295"W	1.06	
4652.00	7.600	143.800	4589.27	-287.66	-591.50	275.82	40°14'10.336"N	104°48'03.198"W	0.65	
4747.00	7.100	145.200	4683.49	-294.92	-601.39	282.88	40°14'10.238"N	104°48'03.106"W	0.56	
4841.00	5.300	148.600	4776.93	-300.66	-609.86	288.46	40°14'10.154"N	104°48'03.035"W	1.95	
4936.00	3.600	155.700	4871.64	-304.31	-616.33	291.97	40°14'10.090"N	104°48'02.989"W	1.88	
5030.00	2.000	144.000	4965.53	-306.57	-620.34	294.15	40°14'10.051"N	104°48'02.961"W	1.80	
5124.00	0.400	17.700	5059.51	-307.65	-621.36	295.22	40°14'10.041"N	104°48'02.947"W	2.40	
5503.00	0.200	48.500	5438.51	-308.51	-619.66	296.11	40°14'10.058"N	104°48'02.936"W	0.07	
5882.00	0.200	32.200	5817.51	-309.34	-618.66	296.96	40°14'10.067"N	104°48'02.925"W	0.01	
6260.00	0.500	340.300	6195.50	-309.09	-616.55	296.76	40°14'10.088"N	104°48'02.928"W	0.11	
6543.00	0.100	85.500	6478.50	-308.90	-615.37	296.59	40°14'10.100"N	104°48'02.930"W	0.19	
6637.00	3.200	267.200	6572.45	-306.36	-615.49	294.05	40°14'10.099"N	104°48'02.962"W	3.51	
6732.00	14.100	273.500	6666.23	-292.11	-614.91	279.81	40°14'10.104"N	104°48'03.146"W	11.50	
6826.00	22.500	271.700	6755.39	-262.63	-613.68	250.35	40°14'10.117"N	104°48'03.526"W	8.96	
6922.00	28.300	271.000	6842.08	-221.47	-612.73	209.20	40°14'10.126"N	104°48'04.057"W	6.05	
7017.00	37.400	270.500	6921.80	-170.00	-612.09	157.72	40°14'10.132"N	104°48'04.720"W	9.58	
7111.00	46.200	267.400	6991.82	-107.47	-613.38	95.16	40°14'10.120"N	104°48'05.527"W	9.61	
7206.00	57.000	268.400	7050.74	-33.25	-616.06	20.87	40°14'10.093"N	104°48'06.485"W	11.40	
7300.00	67.200	265.900	7094.67	49.49	-620.27	-61.98	40°14'10.052"N	104°48'07.553"W	11.10	
7396.00	77.200	267.400	7123.98	140.50	-625.57	-153.11	40°14'09.999"N	104°48'08.728"W	10.52	
7490.00	84.900	270.500	7138.60	233.21	-627.24	-245.87	40°14'09.983"N	104°48'09.924"W	8.81	
7535.00	86.300	270.600	7142.05	278.07	-626.81	-290.73	40°14'09.987"N	104°48'10.503"W	3.12	
7553.00	87.100	270.400	7143.09	296.04	-626.65	-308.70	40°14'09.988"N	104°48'10.734"W	4.58	
7606.00†	88.278	270.253	7145.22	348.99	-626.35	-361.66	40°14'09.991"N	104°48'11.417"W	2.24	7" CASING POINT
7697.00	90.300	270.000	7146.35	439.96	-626.15	-452.64	40°14'09.993"N	104°48'12.590"W	2.24	
7793.00	90.900	269.600	7145.35	535.93	-626.48	-548.64	40°14'09.990"N	104°48'13.828"W	0.75	
7887.00	91.300	269.900	7143.54	629.89	-626.90	-642.62	40°14'09.986"N	104°48'15.040"W	0.53	
7983.00	90.500	270.100	7142.04	725.85	-626.90	-738.61	40°14'09.986"N	104°48'16.278"W	0.86	
8078.00	90.400	270.200	7141.29	820.84	-626.65	-833.60	40°14'09.988"N	104°48'17.503"W	0.15	
8172.00	90.400	270.300	7140.63	914.82	-626.24	-927.60	40°14'09.992"N	104°48'18.715"W	0.11	
8268.00	90.300	270.700	7140.05	1010.81	-625.40	-1023.59	40°14'10.001"N	104°48'19.952"W	0.43	
8363.00	89.700	271.400	7140.05	1105.81	-623.66	-1118.58	40°14'10.018"N	104°48'21.177"W	0.97	
8552.00	89.900	272.000	7140.71	1294.80	-618.05	-1307.49	40°14'10.073"N	104°48'23.613"W	0.33	
8647.00	89.500	271.600	7141.20	1389.79	-615.07	-1402.44	40°14'10.103"N	104°48'24.837"W	0.60	
8836.00	90.500	271.300	7141.20	1578.79	-610.28	-1591.38	40°14'10.150"N	104°48'27.274"W	0.55	
8932.00	89.100	271.800	7141.54	1674.78	-607.69	-1687.34	40°14'10.175"N	104°48'28.511"W	1.55	
9121.00	88.100	272.700	7146.16	1863.69	-600.27	-1876.14	40°14'10.248"N	104°48'30.945"W	0.71	
9216.00	88.900	272.300	7148.64	1958.63	-596.13	-1971.01	40°14'10.289"N	104°48'32.169"W	0.94	
9310.00	88.800	271.600	7150.53	2052.60	-592.93	-2064.94	40°14'10.321"N	104°48'33.380"W	0.75	
9406.00	88.900	271.200	7152.46	2148.58	-590.59	-2160.89	40°14'10.344"N	104°48'34.617"W	0.43	
9595.00	90.500	270.800	7153.45	2337.57	-587.29	-2349.85	40°14'10.376"N	104°48'37.053"W	0.87	



# Actual Wellpath Report

BELLA FEDERAL 23N-7HZ AWP

Page 4 of 6



## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR-MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#10 BELLA FEDERAL 23N-7HZ (2110'FSL & 2472'FWL, SEC.08
Area	COLORADO	Well	BELLA FEDERAL 23N-7HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	BELLA FEDERAL 23N-7HZ AWB
Facility	SEC.08-T3N-R66W		

## WELLPATH DATA (109 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
9690.00	89.100	270.900	7153.78	2432.56	-585.88	-2444.84	40°14'10.390"N	104°48'38.278"W	1.48	
9783.00	89.200	271.800	7155.16	2525.55	-583.69	-2537.80	40°14'10.412"N	104°48'39.477"W	0.97	
9973.00	90.600	270.200	7155.49	2715.54	-580.37	-2727.76	40°14'10.444"N	104°48'41.926"W	1.12	
10067.00	90.500	271.200	7154.59	2809.53	-579.22	-2821.75	40°14'10.456"N	104°48'43.138"W	1.07	
10161.00	89.600	271.600	7154.50	2903.53	-576.93	-2915.72	40°14'10.478"N	104°48'44.350"W	1.05	
10256.00	90.300	272.600	7154.59	2998.52	-573.44	-3010.65	40°14'10.512"N	104°48'45.574"W	1.28	
10351.00	89.300	272.800	7154.92	3093.48	-568.97	-3105.55	40°14'10.557"N	104°48'46.797"W	1.07	
10542.00	90.300	272.000	7155.59	3284.43	-560.97	-3296.37	40°14'10.635"N	104°48'49.258"W	0.67	
10637.00	90.300	272.500	7155.09	3379.41	-557.24	-3391.30	40°14'10.672"N	104°48'50.482"W	0.53	
10733.00	90.100	272.600	7154.75	3475.38	-552.97	-3487.20	40°14'10.714"N	104°48'51.719"W	0.23	
10925.00	90.400	271.900	7153.92	3667.34	-545.43	-3679.05	40°14'10.788"N	104°48'54.192"W	0.40	
11019.00	89.800	271.700	7153.75	3761.34	-542.48	-3773.00	40°14'10.817"N	104°48'55.404"W	0.67	
11114.00	90.600	271.400	7153.42	3856.33	-539.91	-3867.97	40°14'10.843"N	104°48'56.628"W	0.90	
11208.00	89.800	271.700	7153.09	3950.33	-537.37	-3961.93	40°14'10.868"N	104°48'57.840"W	0.91	
11303.00	89.100	272.100	7154.00	4045.31	-534.22	-4056.87	40°14'10.899"N	104°48'59.064"W	0.85	
11398.00	89.900	271.900	7154.83	4140.30	-530.90	-4151.81	40°14'10.931"N	104°49'00.288"W	0.87	
11586.00	90.400	271.500	7154.34	4328.29	-525.33	-4339.73	40°14'10.986"N	104°49'02.711"W	0.34	
11814.00	90.900	271.300	7151.75	4556.27	-519.76	-4567.64	40°14'11.041"N	104°49'05.650"W	0.24	LAST BHI MWD+IFR SURVEY
11876.00	91.300	271.200	7150.56	4618.26	-518.40	-4629.62	40°14'11.054"N	104°49'06.449"W	0.67	PROJECTION TO BIT

## HOLE & CASING SECTIONS - Ref Wellbore: BELLA FEDERAL 23N-7HZ AWB Ref Wellpath: BELLA FEDERAL 23N-7HZ 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	13.00	910.00	897.00	13.00	909.98	0.00	0.00	1.50	1.71
9.625in Casing Surface	13.00	910.00	897.00	13.00	909.98	0.00	0.00	1.50	1.71
8.75in Open Hole	910.00	7616.00	6706.00	909.98	7145.51	1.50	1.71	-626.31	-371.65
7in Casing Intermediate	13.00	7606.00	7593.00	13.00	7145.22	0.00	0.00	-626.35	-361.66
6.125in Open Hole	7616.00	11876.00	4260.00	7145.51	7150.56	-626.31	-371.65	-518.40	-4629.62



# Actual Wellpath Report

BELLA FEDERAL 23N-7HZ AWP

Page 5 of 6



## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR-MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#10 BELLA FEDERAL 23N-7HZ (2110'FSL & 2472'FWL, SEC.08
Area	COLORADO	Well	BELLA FEDERAL 23N-7HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	BELLA FEDERAL 23N-7HZ AWB
Facility	SEC.08-T3N-R66W		

## TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
BELLA FEDERAL SECTION 7 LINES		0.00	42.60	-42.42	3194855.08	1330292.10	40°14'16.602"N	104°48'07.301"W	polygon
BELLA FEDERAL SECTION 8 LINES		0.00	42.60	-42.42	3194855.08	1330292.10	40°14'16.602"N	104°48'07.301"W	polygon
EISENACH & PRESTON 8-7K (150' RADIUS)		0.00	1159.42	790.34	3195678.98	1331415.38	40°14'27.638"N	104°47'56.563"W	circle
MILLER ESTATES 8-12K (150' RADIUS)		0.00	-75.12	-1811.79	3193086.77	1330160.46	40°14'15.438"N	104°48'30.116"W	circle
MILLER ESTATES 8-13K (150' RADIUS)		0.00	-1628.14	-1644.65	3193266.12	1328608.87	40°14'00.091"N	104°48'27.960"W	circle
BELLA FEDERAL 23N-7HZ BHL ON PLAT REV-1 (1430'FSL & 2182'FEL, SEC.07)		7166.00	-734.01	-4655.59	3190248.38	1329479.22	40°14'08.923"N	104°49'06.784"W	point
BELLA FEDERAL 23N-7HZ BHL REV-2 (1648'FSL & 2182'FEL, SEC.07)		7166.00	-516.01	-4655.62	3190246.63	1329697.21	40°14'11.078"N	104°49'06.785"W	point
BELLA FEDERAL 23N-7HZ LAND BOX		7200.00	0.00	0.00	3194897.83	1330249.83	40°14'16.181"N	104°48'06.754"W	polygon

## WELLPATH COMPOSITION - Ref Wellbore: BELLA FEDERAL 23N-7HZ AWB Ref Wellpath: BELLA FEDERAL 23N-7HZ AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
13.00	813.00	Generic gyro - continuous (Standard)	MS ENERGY GYRODATA SURVEYS <113-813>	BELLA FEDERAL 23N-7HZ AWB
813.00	7553.00	NaviTrak (IFR)	BHI MWD+IFR SURVEYS 8 3/4" HOLE <931-7017>	BELLA FEDERAL 23N-7HZ AWB
7553.00	11814.00	OnTrak (IFR)	BHI MWD+IFR SURVEYS 6 1/8" HOLE <7697-11814>	BELLA FEDERAL 23N-7HZ AWB
11814.00	11876.00	Blind Drilling (std)	Projection to bit	BELLA FEDERAL 23N-7HZ AWB



# Actual Wellpath Report

BELLA FEDERAL 23N-7HZ AWP

Page 6 of 6



## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR-MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#10 BELLA FEDERAL 23N-7HZ (2110'FSL & 2472'FWL, SEC.08
Area	COLORADO	Well	BELLA FEDERAL 23N-7HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	BELLA FEDERAL 23N-7HZ AWB
Facility	SEC.08-T3N-R66W		

## WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
13.00	0.000	243.120	13.00	TIE-ON
113.00	0.100	243.120	113.00	BEGIN GYRO SURVEYS
813.00	0.410	10.950	812.98	TIE-INTO GYROS
931.00	1.100	194.000	930.98	BEGIN BHI MWD+IFR SURVEYS
7606.00	88.278	270.253	7145.22	7" CASING POINT
11814.00	90.900	271.300	7151.75	LAST BHI MWD+IFR SURVEY
11876.00	91.300	271.200	7150.56	PROJECTION TO BIT