

ANADARKO PETROLEUM

Location: COLORADO Slot: SLOT#06 BELLA FEDERAL 37-7 (880'FSL & 1165'FEL)
Field: WELD COUNTY (ANADARKO) Well: BELLA FEDERAL 37-7
Facility: SEC.07-T3N-R66W Wellbore: BELLA FEDERAL 37-7 PWB

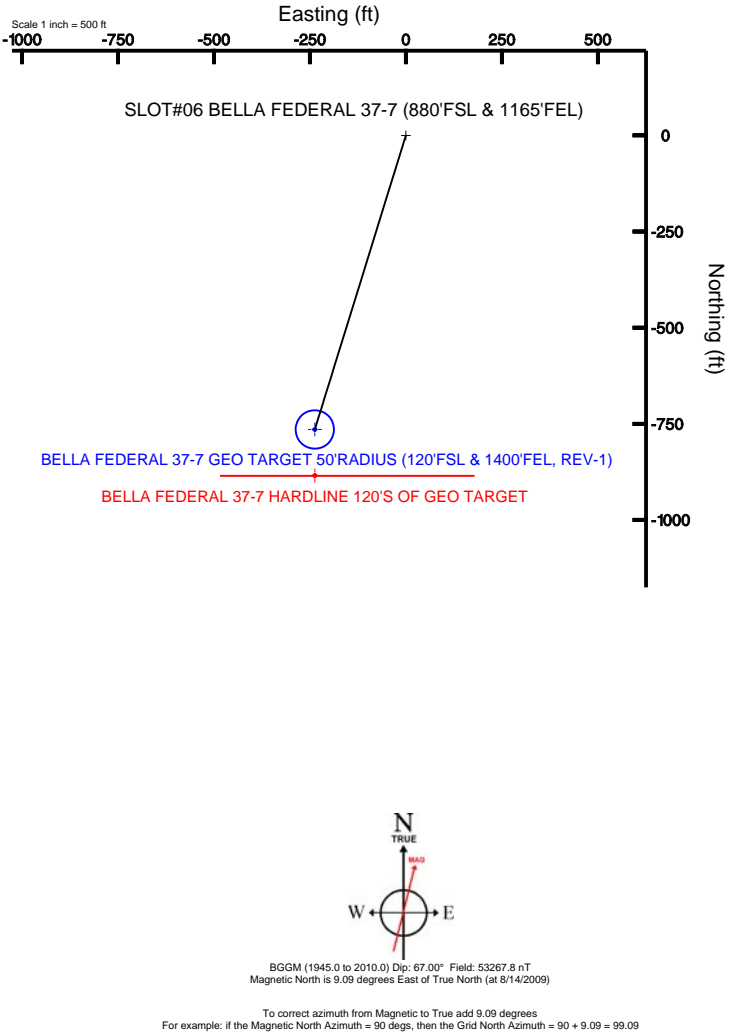
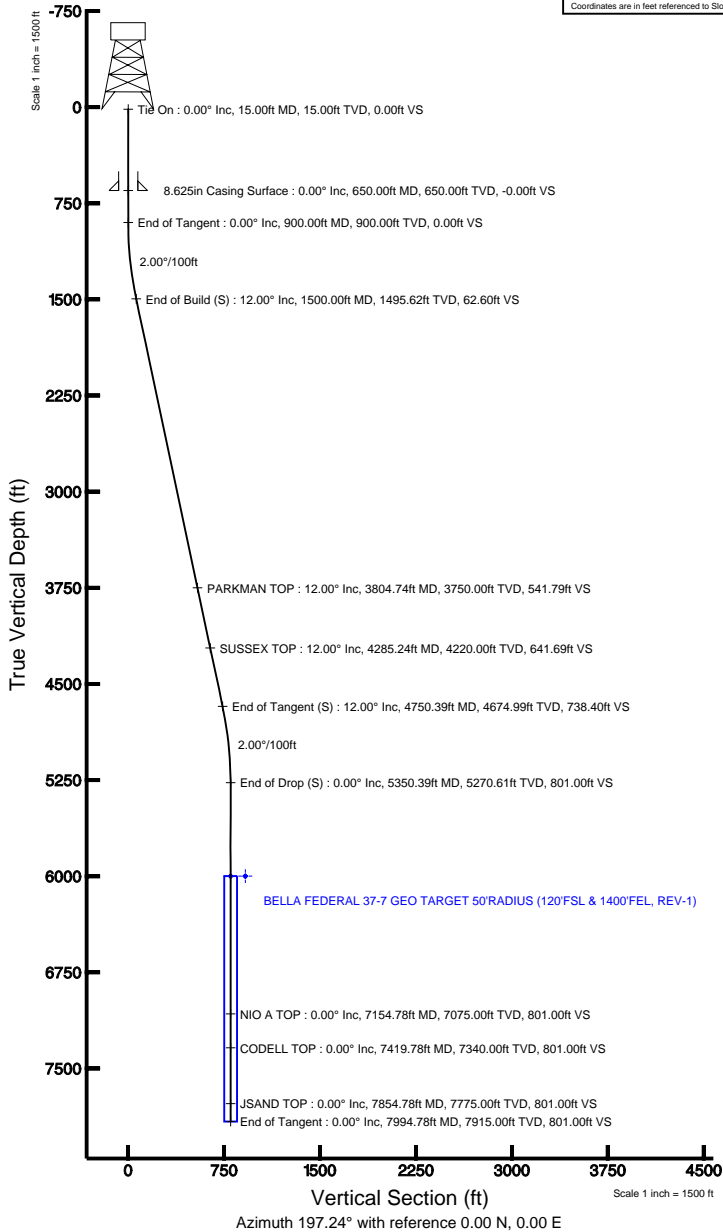


Well Profile Data							
Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)
Tie On	15.00	0.000	197.235	15.00	0.00	0.00	0.00
End of Tangent	900.00	0.000	197.235	900.00	0.00	0.00	0.00
End of Build (S)	1500.00	12.000	197.235	1495.62	-59.79	-18.55	2.00
End of Tangent (S)	4750.39	12.000	197.235	4674.99	-705.24	-218.78	0.00
End of Drop (S)	5350.39	0.000	197.235	5270.61	-765.03	-237.33	2.00
End of Tangent	7994.78	0.000	197.235	7915.00	-765.03	-237.33	0.00

Location Information					
Facility Name			Grid East (USRT)	Grid North (USRT)	Latitude
SEC.07-T3N-R66W			3190294.846	1331460.620	40°14'28.500"N
Slot	Local N (ft)	Local E (ft)	Grid East (USRT)	Grid North (USRT)	Latitude
SLOT#06 BELLA FEDERAL 37-7 (880'FSL & 1165'FEL)	-2510.02	954.88	3191268.945	1328958.126	40°14'03.696"N
Rig on SLOT#06 BELLA FEDERAL 37-7 (880'FSL & 1165'FEL) (RT) to Mud line (Facility: SEC.07-T3N-R66W)					4855ft
Mean Sea Level to Mud line (Facility: SEC.07-T3N-R66W)					0ft
Rig on SLOT#06 BELLA FEDERAL 37-7 (880'FSL & 1165'FEL) (RT) to Mean Sea Level					4855ft

Targets								
Name	MD (ft)	TVD (ft)	Local N (ft)	Local E (ft)	Grid East (USRT)	Grid North (USRT)	Latitude	Longitude
BELLA FEDERAL 37-7 GEO TARGET 50'RADIUS (120'FSL & 1400'FEL, REV-1)	6000.00	-765.03	-237.33	3191037.54	1328191.32	40°13'56.136"N	104°48'56.736"W	
BELLA FEDERAL 37-7 HARDLINE 120'S OF GEO TARGET	6000.00	-885.03	-237.33	3191038.47	1328071.33	40°13'54.950"N	104°48'56.736"W	

Plot reference wellpath is BELLA FEDERAL 37-7 (REV-A.0) PWP	
True vertical depths are referenced to Rig on SLOT#06 BELLA FEDERAL 37-7 (880'FSL & 1165'FEL) (RT)	Grid System: NAD83 / Lambert Colorado State Planes, Northern Zone (501), US feet
Measured depths are referenced to Rig on SLOT#06 BELLA FEDERAL 37-7 (880'FSL & 1165'FEL) (RT)	North Reference: True north
Rig on SLOT#06 BELLA FEDERAL 37-7 (880'FSL & 1165'FEL) (RT) to Mean Sea Level: 4855 feet	Scale: True distance
Mean Sea Level to Mud line (Facility: SEC.07-T3N-R66W): 0 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: cookdarn on 8/14/2009



Planned Wellpath Report

BELLA FEDERAL 37-7 (REV-A.0) PWP

Page 1 of 5

INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	ANADARKO PETROLEUM	Slot	SLOT#06 BELLA FEDERAL 37-7 (880'FSL & 1165'FEL)
Area	COLORADO	Well	BELLA FEDERAL 37-7
Field	WELD COUNTY (ANADARKO)	Wellbore	BELLA FEDERAL 37-7 PWB
Facility	SEC.07-T3N-R66W		

REPORT SETUP INFORMATION

Projection System	NAD83 / Lambert Colorado State Planes, Northern Zone (501), US feet	Software System	WellArchitect® 2.0
North Reference	True	User	Cookdanm
Scale	0.999957	Report Generated	8/14/2009 at 5:09:39 PM
Convergence at slot	0.44° East	Database/Source file	WellArchitect_Denver/BELLA_FEDERAL_37-7_PWB.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[USft]	Northing[USft]	Latitude	Longitude
Slot Location	-2510.02	954.88	3191268.95	1328958.13	40°14'03.696"N	104°48'53.676"W
Facility Reference Pt			3190294.85	1331460.62	40°14'28.500"N	104°49'05.988"W
Field Reference Pt			3197771.84	1268891.29	40°04'09.600"N	104°47'36.000"W

WELLPATH DATUM

Calculation method	Minimum curvature	Rig on SLOT#06 BELLA FEDERAL 37-7 (880'FSL & 1165'FEL) (RT) to Facility Vertical Datum
Horizontal Reference Pt	Slot	Rig on SLOT#06 BELLA FEDERAL 37-7 (880'FSL & 1165'FEL) (RT) to Mean Sea Level
Vertical Reference Pt	Rig on SLOT#06 BELLA FEDERAL 37-7 (880'FSL & 1165'FEL) (RT)	Facility Vertical Datum to Mud Line (Fac)
MD Reference Pt	Rig on SLOT#06 BELLA FEDERAL 37-7 (880'FSL & 1165'FEL) (RT)	Section Origin
Field Vertical Reference	Mean Sea Level	Section Azimuth

Planned Wellpath Report

BELLA FEDERAL 37-7 (REV-A.0) PWP

Page 2 of 5

INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	ANADARKO PETROLEUM	Slot	SLOT#06 BELLA FEDERAL 37-7 (880'FSL & 1165'FEL)
Area	COLORADO	Well	BELLA FEDERAL 37-7
Field	WELD COUNTY (ANADARKO)	Wellbore	BELLA FEDERAL 37-7 PWB
Facility	SEC.07-T3N-R66W		

WELLPATH DATA (91 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
0.00†	0.000	197.235	0.00	0.00	0.00	0.00	0.00	
15.00	0.000	197.235	15.00	0.00	0.00	0.00	0.00	Tie On
115.00†	0.000	197.235	115.00	0.00	0.00	0.00	0.00	
215.00†	0.000	197.235	215.00	0.00	0.00	0.00	0.00	
315.00†	0.000	197.235	315.00	0.00	0.00	0.00	0.00	
415.00†	0.000	197.235	415.00	0.00	0.00	0.00	0.00	
515.00†	0.000	197.235	515.00	0.00	0.00	0.00	0.00	
615.00†	0.000	197.235	615.00	0.00	0.00	0.00	0.00	
715.00†	0.000	197.235	715.00	0.00	0.00	0.00	0.00	
815.00†	0.000	197.235	815.00	0.00	0.00	0.00	0.00	
900.00	0.000	197.235	900.00	0.00	0.00	0.00	0.00	End of Tangent
915.00†	0.300	197.235	915.00	0.04	-0.04	-0.01	2.00	
1015.00†	2.300	197.235	1014.97	2.31	-2.20	-0.68	2.00	
1115.00†	4.300	197.235	1114.80	8.06	-7.70	-2.39	2.00	
1215.00†	6.300	197.235	1214.37	17.30	-16.52	-5.13	2.00	
1315.00†	8.300	197.235	1313.55	30.01	-28.66	-8.89	2.00	
1415.00†	10.300	197.235	1412.23	46.17	-44.09	-13.68	2.00	
1500.00	12.000	197.235	1495.62	62.60	-59.79	-18.55	2.00	End of Build (S)
1515.00†	12.000	197.235	1510.30	65.72	-62.77	-19.47	0.00	
1615.00†	12.000	197.235	1608.11	86.51	-82.63	-25.63	0.00	
1715.00†	12.000	197.235	1705.92	107.30	-102.49	-31.79	0.00	
1815.00†	12.000	197.235	1803.74	128.09	-122.34	-37.95	0.00	
1915.00†	12.000	197.235	1901.55	148.89	-142.20	-44.11	0.00	
2015.00†	12.000	197.235	1999.37	169.68	-162.06	-50.27	0.00	
2115.00†	12.000	197.235	2097.18	190.47	-181.92	-56.43	0.00	
2215.00†	12.000	197.235	2195.00	211.26	-201.77	-62.59	0.00	
2315.00†	12.000	197.235	2292.81	232.05	-221.63	-68.75	0.00	
2415.00†	12.000	197.235	2390.63	252.84	-241.49	-74.92	0.00	
2515.00†	12.000	197.235	2488.44	273.63	-261.35	-81.08	0.00	
2615.00†	12.000	197.235	2586.26	294.42	-281.20	-87.24	0.00	
2715.00†	12.000	197.235	2684.07	315.22	-301.06	-93.40	0.00	
2815.00†	12.000	197.235	2781.89	336.01	-320.92	-99.56	0.00	
2915.00†	12.000	197.235	2879.70	356.80	-340.78	-105.72	0.00	
3015.00†	12.000	197.235	2977.52	377.59	-360.63	-111.88	0.00	
3115.00†	12.000	197.235	3075.33	398.38	-380.49	-118.04	0.00	
3215.00†	12.000	197.235	3173.15	419.17	-400.35	-124.20	0.00	
3315.00†	12.000	197.235	3270.96	439.96	-420.21	-130.36	0.00	
3415.00†	12.000	197.235	3368.78	460.75	-440.06	-136.52	0.00	
3515.00†	12.000	197.235	3466.59	481.54	-459.92	-142.68	0.00	
3615.00†	12.000	197.235	3564.41	502.34	-479.78	-148.84	0.00	
3715.00†	12.000	197.235	3662.22	523.13	-499.64	-155.00	0.00	
3804.74†	12.000	197.235	3750.00	541.79	-517.46	-160.53	0.00	PARKMAN TOP
3815.00†	12.000	197.235	3760.03	543.92	-519.49	-161.16	0.00	
3915.00†	12.000	197.235	3857.85	564.71	-539.35	-167.32	0.00	
4015.00†	12.000	197.235	3955.66	585.50	-559.21	-173.48	0.00	

Planned Wellpath Report

BELLA FEDERAL 37-7 (REV-A.0) PWP

Page 3 of 5

INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	ANADARKO PETROLEUM	Slot	SLOT#06 BELLA FEDERAL 37-7 (880'FSL & 1165'FEL)
Area	COLORADO	Well	BELLA FEDERAL 37-7
Field	WELD COUNTY (ANADARKO)	Wellbore	BELLA FEDERAL 37-7 PWB
Facility	SEC.07-T3N-R66W		

WELLPATH DATA (91 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
4115.00†	12.000	197.235	4053.48	606.29	-579.07	-179.64	0.00	
4215.00†	12.000	197.235	4151.29	627.08	-598.92	-185.80	0.00	
4285.24†	12.000	197.235	4220.00	641.69	-612.87	-190.13	0.00	SUSSEX TOP
4315.00†	12.000	197.235	4249.11	647.87	-618.78	-191.96	0.00	
4415.00†	12.000	197.235	4346.92	668.67	-638.64	-198.12	0.00	
4515.00†	12.000	197.235	4444.74	689.46	-658.50	-204.28	0.00	
4615.00†	12.000	197.235	4542.55	710.25	-678.36	-210.44	0.00	
4715.00†	12.000	197.235	4640.37	731.04	-698.21	-216.60	0.00	
4750.39	12.000	197.235	4674.99	738.40	-705.24	-218.78	0.00	End of Tangent (S)
4815.00†	10.708	197.235	4738.33	751.12	-717.39	-222.55	2.00	
4915.00†	8.708	197.235	4836.89	767.98	-733.49	-227.55	2.00	
5015.00†	6.708	197.235	4935.98	781.39	-746.30	-231.52	2.00	
5115.00†	4.708	197.235	5035.48	791.33	-755.80	-234.47	2.00	
5215.00†	2.708	197.235	5135.27	797.80	-761.98	-236.38	2.00	
5315.00†	0.708	197.235	5235.22	800.78	-764.82	-237.27	2.00	
5350.39	0.000	197.235	5270.61 ¹	801.00	-765.03	-237.33	2.00	Drop (S)
5415.00†	0.000	197.235	5335.22	801.00	-765.03	-237.33	0.00	
5515.00†	0.000	197.235	5435.22	801.00	-765.03	-237.33	0.00	
5615.00†	0.000	197.235	5535.22	801.00	-765.03	-237.33	0.00	
5715.00†	0.000	197.235	5635.22	801.00	-765.03	-237.33	0.00	
5815.00†	0.000	197.235	5735.22	801.00	-765.03	-237.33	0.00	
5915.00†	0.000	197.235	5835.22	801.00	-765.03	-237.33	0.00	
6015.00†	0.000	197.235	5935.22	801.00	-765.03	-237.33	0.00	
6115.00†	0.000	197.235	6035.22	801.00	-765.03	-237.33	0.00	
6215.00†	0.000	197.235	6135.22	801.00	-765.03	-237.33	0.00	
6315.00†	0.000	197.235	6235.22	801.00	-765.03	-237.33	0.00	
6415.00†	0.000	197.235	6335.22	801.00	-765.03	-237.33	0.00	
6515.00†	0.000	197.235	6435.22	801.00	-765.03	-237.33	0.00	
6615.00†	0.000	197.235	6535.22	801.00	-765.03	-237.33	0.00	
6715.00†	0.000	197.235	6635.22	801.00	-765.03	-237.33	0.00	
6815.00†	0.000	197.235	6735.22	801.00	-765.03	-237.33	0.00	
6915.00†	0.000	197.235	6835.22	801.00	-765.03	-237.33	0.00	
7015.00†	0.000	197.235	6935.22	801.00	-765.03	-237.33	0.00	
7115.00†	0.000	197.235	7035.22	801.00	-765.03	-237.33	0.00	
7154.78†	0.000	197.235	7075.00	801.00	-765.03	-237.33	0.00	NIO A TOP
7215.00†	0.000	197.235	7135.22	801.00	-765.03	-237.33	0.00	
7315.00†	0.000	197.235	7235.22	801.00	-765.03	-237.33	0.00	
7415.00†	0.000	197.235	7335.22	801.00	-765.03	-237.33	0.00	
7419.78†	0.000	197.235	7340.00	801.00	-765.03	-237.33	0.00	CODELL TOP
7515.00†	0.000	197.235	7435.22	801.00	-765.03	-237.33	0.00	
7615.00†	0.000	197.235	7535.22	801.00	-765.03	-237.33	0.00	
7715.00†	0.000	197.235	7635.22	801.00	-765.03	-237.33	0.00	
7815.00†	0.000	197.235	7735.22	801.00	-765.03	-237.33	0.00	
7854.78†	0.000	197.235	7775.00	801.00	-765.03	-237.33	0.00	JSAND TOP
7915.00†	0.000	197.235	7835.22	801.00	-765.03	-237.33	0.00	

Planned Wellpath Report

BELLA FEDERAL 37-7 (REV-A.0) PWP

Page 4 of 5

INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	ANADARKO PETROLEUM	Slot	SLOT#06 BELLA FEDERAL 37-7 (880'FSL & 1165'FEL)
Area	COLORADO	Well	BELLA FEDERAL 37-7
Field	WELD COUNTY (ANADARKO)	Wellbore	BELLA FEDERAL 37-7 PWB
Facility	SEC.07-T3N-R66W		

WELLPATH DATA (91 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
7994.78	0.000	197.235	7915.00	801.00	-765.03	-237.33	0.00	End of Tangent

HOLE & CASING SECTIONS

Ref Wellbore: BELLA FEDERAL 37-7 PWB

Ref Wellpath: BELLA FEDERAL 37-7 (REV-A.0) PWP

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]
12.25in Open Hole	15.00	650.00	635.00	15.00	650.00	0.00	0.00	0.00	0.00
8.625in Casing Surface	15.00	650.00	635.00	15.00	650.00	0.00	0.00	0.00	0.00
7.875in Open Hole	650.00	7994.78	7344.78	650.00	7915.00	0.00	0.00	-765.03	-237.33

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Shape
1) BELLA FEDERAL 37-7 GEO TARGET 50'RADIUS (120'FSL & 1400'FEL, REV-1)		6000.00	-765.03	-237.33	3191037.54	1328191.32	40°13'56.136"N	104°48'56.736"W	circle
BELLA FEDERAL 37-7 HARDLINE 120'S OF GEO TARGET		6000.00	-885.03	-237.33	3191038.47	1328071.33	40°13'54.950"N	104°48'56.736"W	point

SURVEY PROGRAM

Ref Wellbore: BELLA FEDERAL 37-7 PWB

Ref Wellpath: BELLA FEDERAL 37-7 (REV-A.0) PWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
15.00	7994.78	MTC (Collar, post-2000) (Standard)		BELLA FEDERAL 37-7 PWB

Planned Wellpath Report

BELLA FEDERAL 37-7 (REV-A.0) PWP

Page 5 of 5

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Field	WELD COUNTY (ANADARKO)	Wellbore	BELLA FEDERAL 37-7 PWB
Facility	SEC.07-T3N-R66W		

WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
3804.74	12.000	197.235	3750.00	PARKMAN TOP
4285.24	12.000	197.235	4220.00	SUSSEX TOP
7154.78	0.000	197.235	7075.00	NIO A TOP
7419.78	0.000	197.235	7340.00	CODELL TOP
7854.78	0.000	197.235	7775.00	JSAND TOP