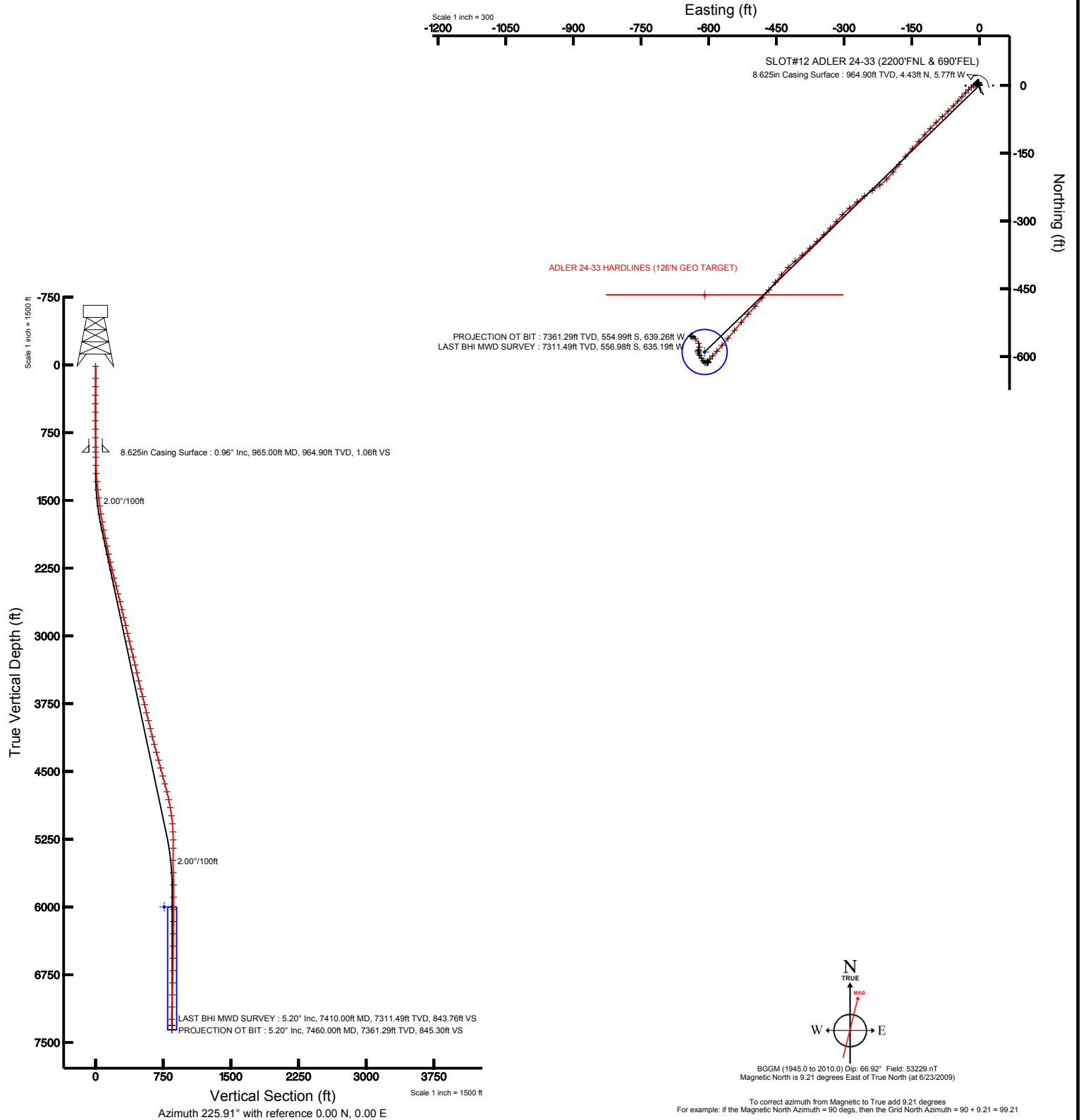


# ANADARKO PETROLEUM



Location: COLORADO Slot: SLOT#12 ADLER 24-33 (2200'FNL & 690'FEL)  
 Field: WELD COUNTY (ANADARKO) Well: ADLER 24-33  
 Facility: SEC.33-T3N-R68W Wellbore: ADLER 24-33 PWB

Plot reference wellpath is ADLER 24-33 (REV-A.0) PWP	
True vertical depths are referenced to XTREME 12 (RT)	Grid System: NAD83 / Lambert Colorado State Planes, Northern Zone (501), US feet
Measured depths are referenced to XTREME 12 (RT)	North Reference: True north
XTREME 12 (RT) to Mean Sea Level: 4925 feet	Scale: True distance
Mean Sea Level to Mud line (Facility: SEC.33-T3N-R68W): 0 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: cookdanm on 7/28/2009



# Actual Wellpath Report

ADLER 24-33 AWP

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**INTEQ**

REFERENCE WELLPATH IDENTIFICATION			
Operator	ANADARKO PETROLEUM	Slot	SLOT#12 ADLER 24-33 (2200'FNL & 690'FEL)
Area	COLORADO	Well	ADLER 24-33
Field	WELD COUNTY (ANADARKO)	Wellbore	ADLER 24-33 AWB
Facility	SEC.33-T3N-R68W		

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	0.999958	Report Generated	7/28/2009 at 11:51:34 AM
Convergence at slot	0.32° East	Database/Source file	WellArchitect_Denver/ADLER_24-33_AWB.xml

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[USft]	Northing[USft]	Latitude	Longitude
Slot Location	1850.86	3313.83	3139470.02	1310088.00	40°11'00.636"N	105°00'02.952"W
Facility Reference Pt			3136166.56	1308219.04	40°10'42.348"N	105°00'45.648"W
Field Reference Pt			<b>3197771.84</b>	<b>1268891.29</b>	40°04'09.600"N	104°47'36.000"W

WELLPATH DATUM			
Calculation method	Minimum curvature	XTREME 12 (RT) to Facility Vertical Datum	4925.00ft
Horizontal Reference Pt	Slot	XTREME 12 (RT) to Mean Sea Level	4925.00ft
Vertical Reference Pt	XTREME 12 (RT)	Facility Vertical Datum to Mud Line (Facility)	0.00ft
MD Reference Pt	XTREME 12 (RT)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	225.91°

# Actual Wellpath Report

ADLER 24-33 AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANADARKO PETROLEUM	Slot	SLOT#12 ADLER 24-33 (2200'FNL & 690'FEL)
Area	COLORADO	Well	ADLER 24-33
Field	WELD COUNTY (ANADARKO)	Wellbore	ADLER 24-33 AWB
Facility	SEC.33-T3N-R68W		

WELLPATH DATA (77 stations) † = interpolated/extrapolated station								
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
0.00†	0.000	354.500	0.00	0.00	0.00	0.00	0.00	
15.00	0.000	354.500	15.00	0.00	0.00	0.00	0.00	
148.00	0.700	354.500	148.00	-0.51	0.81	-0.08	0.53	
241.00	1.200	335.500	240.98	-1.19	2.26	-0.54	0.63	
336.00	1.600	353.100	335.96	-2.32	4.48	-1.11	0.61	
430.00	1.000	328.800	429.93	-3.30	6.49	-1.69	0.85	
524.00	0.200	292.200	523.93	-3.42	7.25	-2.27	0.90	
618.00	0.500	275.400	617.92	-3.08	7.35	-2.83	0.33	
712.00	0.400	209.900	711.92	-2.50	7.11	-3.40	0.53	
806.00	0.900	220.900	805.92	-1.45	6.26	-4.05	0.55	
910.00	0.900	219.800	909.90	0.17	5.02	-5.10	0.02	
1022.00	1.100	250.800	1021.89	2.02	3.99	-6.68	0.51	
1113.00	2.100	225.400	1112.85	4.48	2.53	-8.69	1.32	
1203.00	3.800	239.400	1202.73	9.03	-0.15	-12.44	2.04	
1292.00	4.500	231.400	1291.50	15.38	-3.83	-17.70	1.02	
1383.00	5.900	224.700	1382.12	23.61	-9.38	-23.78	1.67	
1473.00	7.100	223.100	1471.54	33.79	-16.73	-30.84	1.35	
1564.00	7.900	223.000	1561.76	45.65	-25.41	-38.95	0.88	
1654.00	8.400	221.900	1650.85	58.38	-34.82	-47.55	0.58	
1744.00	9.900	225.400	1739.70	72.68	-45.15	-57.45	1.78	
1835.00	11.000	225.100	1829.19	89.18	-56.77	-69.17	1.21	
1925.00	11.900	227.600	1917.40	107.04	-69.09	-82.11	1.14	
2016.00	11.800	225.400	2006.46	125.73	-81.95	-95.66	0.51	
2106.00	12.200	223.700	2094.50	144.43	-95.29	-108.78	0.59	
2197.00	11.800	220.500	2183.51	163.30	-109.31	-121.47	0.85	
2287.00	13.200	221.600	2271.37	182.71	-123.99	-134.27	1.58	
2378.00	14.500	223.300	2359.73	204.45	-140.06	-148.98	1.50	
2468.00	14.700	219.100	2446.82	227.05	-157.12	-163.91	1.20	
2559.00	14.100	217.700	2534.96	249.49	-174.85	-177.97	0.76	
2648.00	13.800	219.100	2621.34	270.76	-191.66	-191.30	0.51	

# Actual Wellpath Report

ADLER 24-33 AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANADARKO PETROLEUM	Slot	SLOT#12 ADLER 24-33 (2200'FNL & 690'FEL)
Area	COLORADO	Well	ADLER 24-33
Field	WELD COUNTY (ANADARKO)	Wellbore	ADLER 24-33 AWB
Facility	SEC.33-T3N-R68W		

WELLPATH DATA (77 stations)								
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
2738.00	12.900	225.100	2708.91	291.46	-207.09	-205.18	1.83	
2828.00	13.100	232.500	2796.61	311.64	-220.39	-220.39	1.86	
2919.00	13.800	235.300	2885.11	332.59	-232.84	-237.50	1.05	
3009.00	13.300	234.200	2972.61	353.43	-245.01	-254.72	0.62	
3098.00	13.500	229.700	3059.19	373.92	-257.72	-270.94	1.19	
3188.00	14.500	231.000	3146.51	395.63	-271.60	-287.71	1.16	
3278.00	13.100	222.600	3233.92	417.04	-286.21	-303.37	2.71	
3369.00	13.000	221.600	3322.57	437.54	-301.45	-317.15	0.27	
3459.00	12.500	224.000	3410.35	457.37	-316.03	-330.64	0.81	
3549.00	13.400	225.800	3498.06	477.53	-330.30	-344.88	1.10	
3639.00	13.700	225.100	3585.56	498.62	-345.10	-359.91	0.38	
3729.00	14.600	227.500	3672.83	520.61	-360.28	-375.82	1.19	
3820.00	14.100	227.900	3760.99	543.15	-375.46	-392.50	0.56	
3911.00	12.500	231.400	3849.55	564.04	-389.04	-408.42	1.97	
4002.00	13.900	224.000	3938.15	584.77	-403.05	-423.71	2.41	
4092.00	14.100	221.200	4025.47	606.50	-419.07	-438.44	0.78	
4183.00	13.500	218.100	4113.85	628.07	-435.77	-452.30	1.05	
4273.00	15.000	220.200	4201.08	650.07	-452.94	-466.30	1.76	
4363.00	15.300	220.900	4287.95	673.48	-470.81	-481.59	0.39	
4453.00	15.500	221.900	4374.72	697.31	-488.73	-497.40	0.37	
4544.00	14.400	220.200	4462.64	720.70	-506.43	-512.82	1.30	
4635.00	15.200	219.800	4550.62	743.82	-524.24	-527.76	0.89	
4725.00	15.300	220.200	4637.45	767.37	-542.37	-542.98	0.16	
4816.00	13.900	219.100	4725.51	790.17	-560.02	-557.62	1.57	
4906.00	12.000	220.500	4813.21	810.22	-575.53	-570.52	2.14	
4995.00	10.200	223.000	4900.55	827.30	-588.33	-581.90	2.09	
5086.00	7.500	221.200	4990.45	841.27	-598.69	-591.31	2.98	
5176.00	5.200	220.900	5079.90	851.19	-606.19	-597.85	2.56	
5265.00	2.900	229.700	5168.67	857.45	-610.70	-602.21	2.67	
5355.00	1.500	145.900	5258.62	859.93	-613.15	-603.28	3.46	

REFERENCE WELLPATH IDENTIFICATION			
Operator	ANADARKO PETROLEUM	Slot	SLOT#12 ADLER 24-33 (2200'FNL & 690'FEL)
Area	COLORADO	Well	ADLER 24-33
Field	WELD COUNTY (ANADARKO)	Wellbore	ADLER 24-33 AWB
Facility	SEC.33-T3N-R68W		

WELLPATH DATA (77 stations) † = interpolated/extrapolated station								
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
5446.00	0.700	103.800	5349.60	859.84	-614.27	-602.08	1.19	
5581.00	1.300	343.600	5484.59	858.69	-612.99	-601.71	1.30	
5717.00	1.900	227.900	5620.56	860.23	-613.03	-603.82	2.01	
5853.00	1.100	269.700	5756.52	863.42	-614.54	-606.80	0.96	
5989.00	1.700	310.900	5892.48	864.54	-613.23	-609.63	0.83	
6124.00	2.200	324.600	6027.40	864.32	-609.81	-612.64	0.50	
6260.00	3.600	331.600	6163.22	862.77	-603.92	-616.18	1.06	
6395.00	2.100	326.700	6298.05	861.17	-598.13	-619.56	1.12	
6530.00	1.500	333.400	6432.99	860.17	-594.48	-621.71	0.47	
6666.00	2.500	339.000	6568.90	858.47	-590.12	-623.57	0.75	
6802.00	0.900	99.900	6704.86	856.68	-587.53	-623.58	2.25	
6938.00	2.000	13.100	6840.83	854.06	-585.40	-621.99	1.58	
7072.00	3.100	10.600	6974.69	849.14	-579.57	-620.79	0.82	
7206.00	4.800	333.700	7108.39	844.46	-570.98	-622.61	2.22	
7343.00	5.900	315.800	7244.80	842.73	-560.79	-630.06	1.45	
7410.00	5.200	296.100	7311.49	843.76	-556.98	-635.19	3.01	LAST BHI MWD SURVEY
7460.00†	5.200	296.100	7361.29	845.30	-554.99	-639.26	0.00	PROJECTION OT BIT

HOLE & CASING SECTIONS Ref Wellbore: ADLER 24-33 AWB Ref Wellpath: ADLER 24-33 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]
12.25in Open Hole	15.00	965.00	950.00	15.00	964.90	0.00	0.00	4.43	-5.77
8.625in Casing Surface	15.00	965.00	950.00	15.00	964.90	0.00	0.00	4.43	-5.77
7.875in Open Hole	965.00	7460.00	6495.00	964.90	7361.29	4.43	-5.77	-554.99	-639.26

# Actual Wellpath Report

ADLER 24-33 AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANADARKO PETROLEUM	Slot	SLOT#12 ADLER 24-33 (2200'FNL & 690'FEL)
Area	COLORADO	Well	ADLER 24-33
Field	WELD COUNTY (ANADARKO)	Wellbore	ADLER 24-33 AWB
Facility	SEC.33-T3N-R68W		

TARGETS									
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Shape
ADLER 24-33 GEO TARGET 50' RADIUS (2525'FSL & 1300'FEL)		6000.00	-590.16	-609.13	3138864.25	1309494.45	40°10'54.804"N	105°00'10.800"W	circle
ADLER 24-33 HARDLINES (126'N GEO TARGET)		6000.00	-464.16	-609.13	3138863.54	1309620.44	40°10'56.049"N	105°00'10.800"W	point

WELLPATH COMPOSITION					Ref Wellbore: ADLER 24-33 AWB	Ref Wellpath: ADLER 24-33 AWP
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment		Wellbore	
15.00	910.00	MTC (Collar, post-2000) (Standard)	BHI MWD/MTC-POST-2000 12.25"HOLE <148-910>		ADLER 24-33 AWB	
910.00	7410.00	MTC (Collar, post-2000) (Standard)	BHI MWD / MTC-POST-2000 7.875"HOLE <1022-7410>		ADLER 24-33 AWB	
7410.00	7460.00	Blind Drilling (std)	Projection to bit		ADLER 24-33 AWB	

# Actual Wellpath Report

ADLER 24-33 AWP

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**INTEQ**

REFERENCE WELLPATH IDENTIFICATION			
Operator	ANADARKO PETROLEUM	Slot	SLOT#12 ADLER 24-33 (2200'FNL & 690'FEL)
Area	COLORADO	Well	ADLER 24-33
Field	WELD COUNTY (ANADARKO)	Wellbore	ADLER 24-33 AWB
Facility	SEC.33-T3N-R68W		

WELLPATH COMMENTS				
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
7410.00	5.200	296.100	7311.49	LAST BHI MWD SURVEY
7460.00	5.200	296.100	7361.29	PROJECTION OT BIT