



ANADARKO PETROLEUM CORP.

ANADARKO COLORADO NORTHERN ZONE NAD 83

WELD_WASTE 6-21

WASTE 30-21

WASTE 30-21

Plan: WASTE 30-21 (wp01)

Standard Planning Report

05 October, 2010





Project: ANADARKO COLORADO NORTHERN ZONE NAD 83
 Site: WELD_WASTE 6-21
 Well: WASTE 30-21
 Wellbore: WASTE 30-21
 Section:
 SHL:
 Design: WASTE 30-21 (wp01)
 Latitude: 40° 2' 18.614 N
 Longitude: 105° 0' 41.677 W
 GL: 5213.0
 KB: WELL @ 5213.0ft (Original Well Elev)



Weatherford®



Azimuths to True North
 Magnetic North: 9.02°
 Magnetic Field
 Strength: 52966.7snT
 Dip Angle: 66.75°
 Date: 10/4/2010
 Model: BGGM2010

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
4262.0	4612.8	PK
4762.0	5169.4	SX
7544.0	8108.8	NIO
7952.0	8516.8	CD
8029.0	8593.8	GH
8382.0	8946.8	J

CASING DETAILS

TVD	MD	Name	Size
950.0	955.7	9 5/8"	9-5/8

SECTION DETAILS

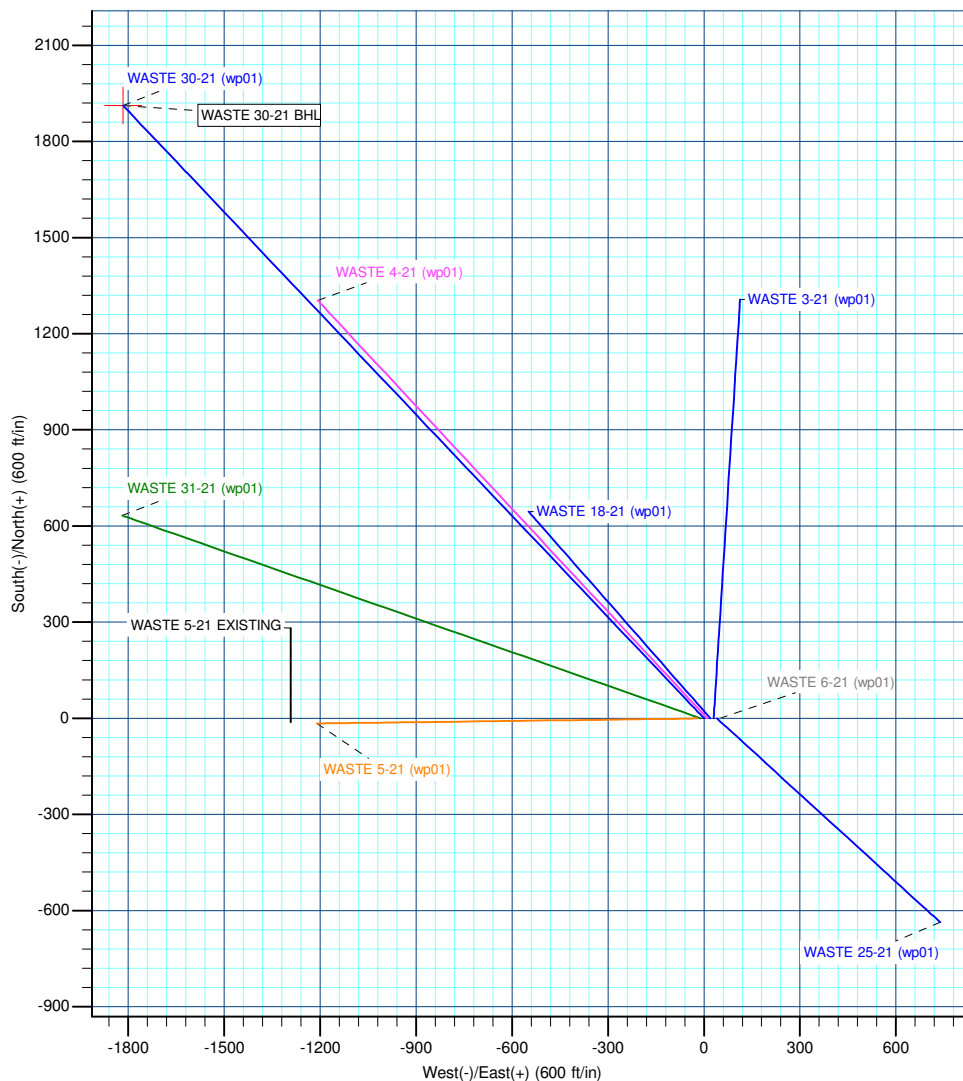
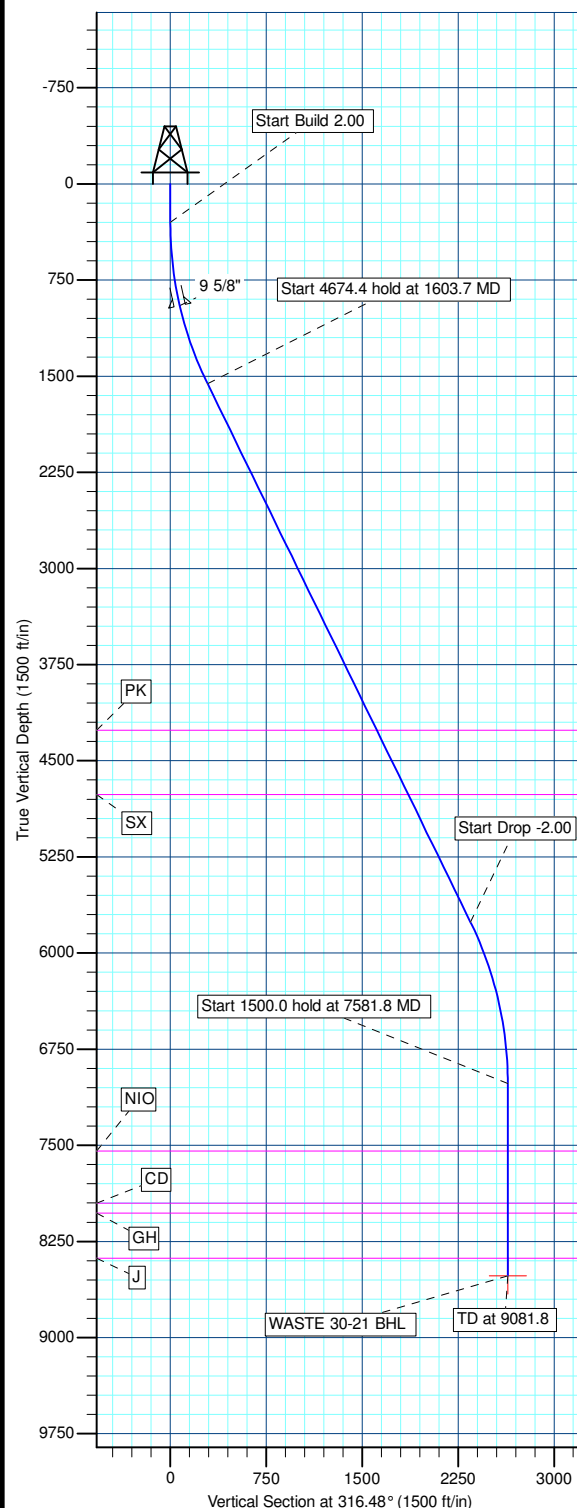
MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Annotation
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
300.0	0.00	0.00	300.0	0.0	0.0	0.00	0.00	0.0	Start Build 2.00
1603.7	26.07	316.48	1559.2	211.4	-200.8	2.00	316.48	291.6	Start 4674.4 hold at 1603.7 MD
6278.1	26.07	316.48	5757.8	1701.1	-1615.7	0.00	0.00	2346.1	Start Drop -2.00
7581.8	0.00	0.32	7017.0	1912.5	-1816.5	2.00	180.00	2637.7	Start 1500.0 hold at 7581.8 MD
9081.8	0.00	0.32	8517.0	1912.5	-1816.5	0.00	0.00	2637.7	TD at 9081.8

WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
WASTE 30-21 BHL	8517.0	1912.5	-1816.5	40° 2' 37.514 N	105° 1' 5.034 W	Point

WELL DETAILS: WASTE 30-21

+N/-S	+E/-W	Northing	Ground Level: Easting	5213.0 Latitude	Longitude	Slot
0.0	0.0	1257249.48	3136755.51	40° 2' 18.614 N	105° 0' 41.677 W	



Plan: WASTE 30-21 (wp01) (WASTE 30-21/WASTE 30-21)

Created By: Jason Daguitera Date: 9:31, October 05 2010

Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well WASTE 30-21
Company:	ANADARKO PETROLEUM CORP.	TVD Reference:	WELL @ 5213.0ft (Original Well Elev)
Project:	ANADARKO COLORADO NORTHERN ZONE NAD 83	MD Reference:	WELL @ 5213.0ft (Original Well Elev)
Site:	WELD_WASTE 6-21	North Reference:	True
Well:	WASTE 30-21	Survey Calculation Method:	Minimum Curvature
Wellbore:	WASTE 30-21		
Design:	WASTE 30-21 (wp01)		

Project	ANADARKO COLORADO NORTHERN ZONE NAD 83, ROCKIES, ROCKIES		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Northern Zone		

Site		WELD_WASTE 6-21			
Site Position:		Northing:	1,257,249.65 ft	Latitude:	40° 2' 18.614 N
From:	Lat/Long	Easting:	3,136,785.47 ft	Longitude:	105° 0' 41.292 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.32 °

Well	WASTE 30-21					
Well Position	+N/-S	0.0 ft	Northing:	1,257,249.48 ft	Latitude:	40° 2' 18.614 N
	+E/-W	-30.0 ft	Easting:	3,136,755.51 ft	Longitude:	105° 0' 41.677 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	5,213.0 ft

Wellbore	WASTE 30-21				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2010	10/4/2010	9.02	66.75	52,967

Design	WASTE 30-21 (wp01)			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	316.48

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
300.0	0.00	0.00	300.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,603.7	26.07	316.48	1,559.2	211.4	-200.8	2.00	2.00	0.00	316.48	
6,278.1	26.07	316.48	5,757.8	1,701.1	-1,615.7	0.00	0.00	0.00	0.00	
7,581.8	0.00	0.32	7,017.0	1,912.5	-1,816.5	2.00	-2.00	0.00	180.00	
9,081.8	0.00	0.32	8,517.0	1,912.5	-1,816.5	0.00	0.00	0.00	0.00	WASTE 30-21 BHL

Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well WASTE 30-21
Company:	ANADARKO PETROLEUM CORP.	TVD Reference:	WELL @ 5213.0ft (Original Well Elev)
Project:	ANADARKO COLORADO NORTHERN ZONE NAD 83	MD Reference:	WELL @ 5213.0ft (Original Well Elev)
Site:	WELD_WASTE 6-21	North Reference:	True
Well:	WASTE 30-21	Survey Calculation Method:	Minimum Curvature
Wellbore:	WASTE 30-21		
Design:	WASTE 30-21 (wp01)		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
Start Build 2.00									
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	2.00	316.48	400.0	1.3	-1.2	1.7	2.00	2.00	0.00
500.0	4.00	316.48	499.8	5.1	-4.8	7.0	2.00	2.00	0.00
600.0	6.00	316.48	599.5	11.4	-10.8	15.7	2.00	2.00	0.00
700.0	8.00	316.48	698.7	20.2	-19.2	27.9	2.00	2.00	0.00
800.0	10.00	316.48	797.5	31.6	-30.0	43.5	2.00	2.00	0.00
900.0	12.00	316.48	895.6	45.4	-43.1	62.6	2.00	2.00	0.00
9 5/8"									
955.7	13.11	316.48	950.0	54.2	-51.5	74.7	2.00	2.00	0.00
1,000.0	14.00	316.48	993.1	61.7	-58.6	85.1	2.00	2.00	0.00
1,100.0	16.00	316.48	1,089.6	80.5	-76.4	111.0	2.00	2.00	0.00
1,200.0	18.00	316.48	1,185.3	101.7	-96.6	140.2	2.00	2.00	0.00
1,300.0	20.00	316.48	1,279.8	125.3	-119.0	172.8	2.00	2.00	0.00
1,400.0	22.00	316.48	1,373.2	151.3	-143.7	208.6	2.00	2.00	0.00
1,500.0	24.00	316.48	1,465.2	179.6	-170.6	247.7	2.00	2.00	0.00
1,600.0	26.00	316.48	1,555.8	210.2	-199.7	289.9	2.00	2.00	0.00
Start 4674.4 hold at 1603.7 MD									
1,603.7	26.07	316.48	1,559.2	211.4	-200.8	291.6	2.00	2.00	0.00
1,700.0	26.07	316.48	1,645.7	242.1	-229.9	333.9	0.00	0.00	0.00
1,800.0	26.07	316.48	1,735.5	274.0	-260.2	377.8	0.00	0.00	0.00
1,900.0	26.07	316.48	1,825.3	305.8	-290.5	421.8	0.00	0.00	0.00
2,000.0	26.07	316.48	1,915.1	337.7	-320.7	465.7	0.00	0.00	0.00
2,100.0	26.07	316.48	2,005.0	369.6	-351.0	509.7	0.00	0.00	0.00
2,200.0	26.07	316.48	2,094.8	401.4	-381.3	553.7	0.00	0.00	0.00
2,300.0	26.07	316.48	2,184.6	433.3	-411.5	597.6	0.00	0.00	0.00
2,400.0	26.07	316.48	2,274.4	465.2	-441.8	641.6	0.00	0.00	0.00
2,500.0	26.07	316.48	2,364.2	497.1	-472.1	685.5	0.00	0.00	0.00
2,600.0	26.07	316.48	2,454.1	528.9	-502.4	729.5	0.00	0.00	0.00
2,700.0	26.07	316.48	2,543.9	560.8	-532.6	773.4	0.00	0.00	0.00
2,800.0	26.07	316.48	2,633.7	592.7	-562.9	817.4	0.00	0.00	0.00
2,900.0	26.07	316.48	2,723.5	624.5	-593.2	861.3	0.00	0.00	0.00
3,000.0	26.07	316.48	2,813.4	656.4	-623.4	905.3	0.00	0.00	0.00
3,100.0	26.07	316.48	2,903.2	688.3	-653.7	949.2	0.00	0.00	0.00
3,200.0	26.07	316.48	2,993.0	720.1	-684.0	993.2	0.00	0.00	0.00
3,300.0	26.07	316.48	3,082.8	752.0	-714.2	1,037.1	0.00	0.00	0.00
3,400.0	26.07	316.48	3,172.6	783.9	-744.5	1,081.1	0.00	0.00	0.00
3,500.0	26.07	316.48	3,262.5	815.7	-774.8	1,125.0	0.00	0.00	0.00
3,600.0	26.07	316.48	3,352.3	847.6	-805.0	1,169.0	0.00	0.00	0.00
3,700.0	26.07	316.48	3,442.1	879.5	-835.3	1,213.0	0.00	0.00	0.00
3,800.0	26.07	316.48	3,531.9	911.4	-865.6	1,256.9	0.00	0.00	0.00
3,900.0	26.07	316.48	3,621.8	943.2	-895.9	1,300.9	0.00	0.00	0.00
4,000.0	26.07	316.48	3,711.6	975.1	-926.1	1,344.8	0.00	0.00	0.00
4,100.0	26.07	316.48	3,801.4	1,007.0	-956.4	1,388.8	0.00	0.00	0.00
4,200.0	26.07	316.48	3,891.2	1,038.8	-986.7	1,432.7	0.00	0.00	0.00
4,300.0	26.07	316.48	3,981.1	1,070.7	-1,016.9	1,476.7	0.00	0.00	0.00
4,400.0	26.07	316.48	4,070.9	1,102.6	-1,047.2	1,520.6	0.00	0.00	0.00
4,500.0	26.07	316.48	4,160.7	1,134.4	-1,077.5	1,564.6	0.00	0.00	0.00
4,600.0	26.07	316.48	4,250.5	1,166.3	-1,107.7	1,608.5	0.00	0.00	0.00
PK									

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Company:	ANADARKO PETROLEUM CORP.	TVD Reference:	WELL @ 5213.0ft (Original Well Elev)
Project:	ANADARKO COLORADO NORTHERN ZONE NAD 83	MD Reference:	WELL @ 5213.0ft (Original Well Elev)
Site:	WELD_WASTE 6-21	North Reference:	True
Well:	WASTE 30-21	Survey Calculation Method:	Minimum Curvature
Wellbore:	WASTE 30-21		
Design:	WASTE 30-21 (wp01)		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,612.8	26.07	316.48	4,262.0	1,170.4	-1,111.6	1,614.2	0.00	0.00	0.00
4,700.0	26.07	316.48	4,340.3	1,198.2	-1,138.0	1,652.5	0.00	0.00	0.00
4,800.0	26.07	316.48	4,430.2	1,230.1	-1,168.3	1,696.4	0.00	0.00	0.00
4,900.0	26.07	316.48	4,520.0	1,261.9	-1,198.5	1,740.4	0.00	0.00	0.00
5,000.0	26.07	316.48	4,609.8	1,293.8	-1,228.8	1,784.3	0.00	0.00	0.00
5,100.0	26.07	316.48	4,699.6	1,325.7	-1,259.1	1,828.3	0.00	0.00	0.00
SX									
5,169.4	26.07	316.48	4,762.0	1,347.8	-1,280.1	1,858.8	0.00	0.00	0.00
5,200.0	26.07	316.48	4,789.5	1,357.5	-1,289.4	1,872.3	0.00	0.00	0.00
5,300.0	26.07	316.48	4,879.3	1,389.4	-1,319.6	1,916.2	0.00	0.00	0.00
5,400.0	26.07	316.48	4,969.1	1,421.3	-1,349.9	1,960.2	0.00	0.00	0.00
5,500.0	26.07	316.48	5,058.9	1,453.1	-1,380.2	2,004.1	0.00	0.00	0.00
5,600.0	26.07	316.48	5,148.7	1,485.0	-1,410.4	2,048.1	0.00	0.00	0.00
5,700.0	26.07	316.48	5,238.6	1,516.9	-1,440.7	2,092.0	0.00	0.00	0.00
5,800.0	26.07	316.48	5,328.4	1,548.8	-1,471.0	2,136.0	0.00	0.00	0.00
5,900.0	26.07	316.48	5,418.2	1,580.6	-1,501.2	2,179.9	0.00	0.00	0.00
6,000.0	26.07	316.48	5,508.0	1,612.5	-1,531.5	2,223.9	0.00	0.00	0.00
6,100.0	26.07	316.48	5,597.9	1,644.4	-1,561.8	2,267.8	0.00	0.00	0.00
6,200.0	26.07	316.48	5,687.7	1,676.2	-1,592.0	2,311.8	0.00	0.00	0.00
Start Drop -2.00									
6,278.1	26.07	316.48	5,757.8	1,701.1	-1,615.7	2,346.1	0.00	0.00	0.00
6,300.0	25.64	316.48	5,777.5	1,708.0	-1,622.3	2,355.7	2.00	-2.00	0.00
6,400.0	23.64	316.48	5,868.4	1,738.3	-1,651.0	2,397.3	2.00	-2.00	0.00
6,500.0	21.64	316.48	5,960.7	1,766.2	-1,677.5	2,435.8	2.00	-2.00	0.00
6,600.0	19.64	316.48	6,054.3	1,791.7	-1,701.7	2,471.1	2.00	-2.00	0.00
6,700.0	17.64	316.48	6,149.1	1,814.9	-1,723.7	2,503.0	2.00	-2.00	0.00
6,800.0	15.64	316.48	6,244.9	1,835.7	-1,743.5	2,531.7	2.00	-2.00	0.00
6,900.0	13.64	316.48	6,341.6	1,854.0	-1,760.9	2,556.9	2.00	-2.00	0.00
7,000.0	11.64	316.48	6,439.2	1,869.8	-1,775.9	2,578.8	2.00	-2.00	0.00
7,100.0	9.64	316.48	6,537.5	1,883.2	-1,788.6	2,597.3	2.00	-2.00	0.00
7,200.0	7.64	316.48	6,636.3	1,894.1	-1,799.0	2,612.3	2.00	-2.00	0.00
7,300.0	5.64	316.48	6,735.7	1,902.5	-1,806.9	2,623.8	2.00	-2.00	0.00
7,400.0	3.64	316.48	6,835.3	1,908.3	-1,812.5	2,631.9	2.00	-2.00	0.00
7,500.0	1.64	316.48	6,935.2	1,911.7	-1,815.7	2,636.5	2.00	-2.00	0.00
Start 1500.0 hold at 7581.8 MD									
7,581.8	0.00	0.32	7,017.0	1,912.5	-1,816.5	2,637.7	2.00	-2.00	0.00
7,600.0	0.00	0.32	7,035.2	1,912.5	-1,816.5	2,637.7	0.00	0.00	0.00
7,700.0	0.00	0.32	7,135.2	1,912.5	-1,816.5	2,637.7	0.00	0.00	0.00
7,800.0	0.00	0.32	7,235.2	1,912.5	-1,816.5	2,637.7	0.00	0.00	0.00
7,900.0	0.00	0.32	7,335.2	1,912.5	-1,816.5	2,637.7	0.00	0.00	0.00
8,000.0	0.00	0.32	7,435.2	1,912.5	-1,816.5	2,637.7	0.00	0.00	0.00
8,100.0	0.00	0.32	7,535.2	1,912.5	-1,816.5	2,637.7	0.00	0.00	0.00
NIO									
8,108.8	0.00	0.32	7,544.0	1,912.5	-1,816.5	2,637.7	0.00	0.00	0.00
8,200.0	0.00	0.32	7,635.2	1,912.5	-1,816.5	2,637.7	0.00	0.00	0.00
8,300.0	0.00	0.32	7,735.2	1,912.5	-1,816.5	2,637.7	0.00	0.00	0.00
8,400.0	0.00	0.32	7,835.2	1,912.5	-1,816.5	2,637.7	0.00	0.00	0.00
8,500.0	0.00	0.32	7,935.2	1,912.5	-1,816.5	2,637.7	0.00	0.00	0.00
CD									
8,516.8	0.00	0.32	7,952.0	1,912.5	-1,816.5	2,637.7	0.00	0.00	0.00
GH									
8,593.8	0.00	0.32	8,029.0	1,912.5	-1,816.5	2,637.7	0.00	0.00	0.00

Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well WASTE 30-21
Company:	ANADARKO PETROLEUM CORP.	TVD Reference:	WELL @ 5213.0ft (Original Well Elev)
Project:	ANADARKO COLORADO NORTHERN ZONE NAD 83	MD Reference:	WELL @ 5213.0ft (Original Well Elev)
Site:	WELD_WASTE 6-21	North Reference:	True
Well:	WASTE 30-21	Survey Calculation Method:	Minimum Curvature
Wellbore:	WASTE 30-21		
Design:	WASTE 30-21 (wp01)		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
8,600.0	0.00	0.32	8,035.2	1,912.5	-1,816.5	2,637.7	0.00	0.00	0.00	
8,700.0	0.00	0.32	8,135.2	1,912.5	-1,816.5	2,637.7	0.00	0.00	0.00	
8,800.0	0.00	0.32	8,235.2	1,912.5	-1,816.5	2,637.7	0.00	0.00	0.00	
8,900.0	0.00	0.32	8,335.2	1,912.5	-1,816.5	2,637.7	0.00	0.00	0.00	
J										
8,946.8	0.00	0.32	8,382.0	1,912.5	-1,816.5	2,637.7	0.00	0.00	0.00	
9,000.0	0.00	0.32	8,435.2	1,912.5	-1,816.5	2,637.7	0.00	0.00	0.00	
TD at 9081.8										
9,081.8	0.00	0.32	8,517.0	1,912.5	-1,816.5	2,637.7	0.00	0.00	0.00	

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude	
- hit/miss target										
- Shape										
WASTE 30-21 BHL	0.00	0.31	8,517.0	1,912.5	-1,816.5	1,259,151.96	3,134,928.53	40° 2' 37.514 N	105° 1' 5.034 W	
- plan hits target center										
- Point										

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
955.7	950.0	9 5/8"	9-5/8	12-1/4	

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
8,946.8	8,382.0	J				
8,108.8	7,544.0	NIO				
8,593.8	8,029.0	GH				
5,169.4	4,762.0	SX				
8,516.8	7,952.0	CD		0.00		
4,612.8	4,262.0	PK				

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Comment	
300.0	300.0	0.0	0.0	Start Build 2.00	
1,603.7	1,559.2	211.4	-200.8	Start 4674.4 hold at 1603.7 MD	
6,278.1	5,757.8	1,701.1	-1,615.7	Start Drop -2.00	
7,581.8	7,017.0	1,912.5	-1,816.5	Start 1500.0 hold at 7581.8 MD	
9,081.8	8,517.0	1,912.5	-1,816.5	TD at 9081.8	



ANADARKO PETROLEUM CORP.

**ANADARKO COLORADO NORTHERN ZONE NAD 83
WELD_WASTE 6-21
WASTE 30-21**

**WASTE 30-21
WASTE 30-21 (wp01)**

Anticollision Summary Report

05 October, 2010



Company:	ANADARKO PETROLEUM CORP.	Local Co-ordinate Reference:	Well WASTE 30-21
Project:	ANADARKO COLORADO NORTHERN ZONE NAD 83	TVD Reference:	WELL @ 5213.0ft (Original Well Elev)
Reference Site:	WELD_WASTE 6-21	MD Reference:	WELL @ 5213.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WASTE 30-21	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	WASTE 30-21	Database:	EDM 2003.21 Single User Db
Reference Design:	WASTE 30-21 (wp01)	Offset TVD Reference:	Offset Datum

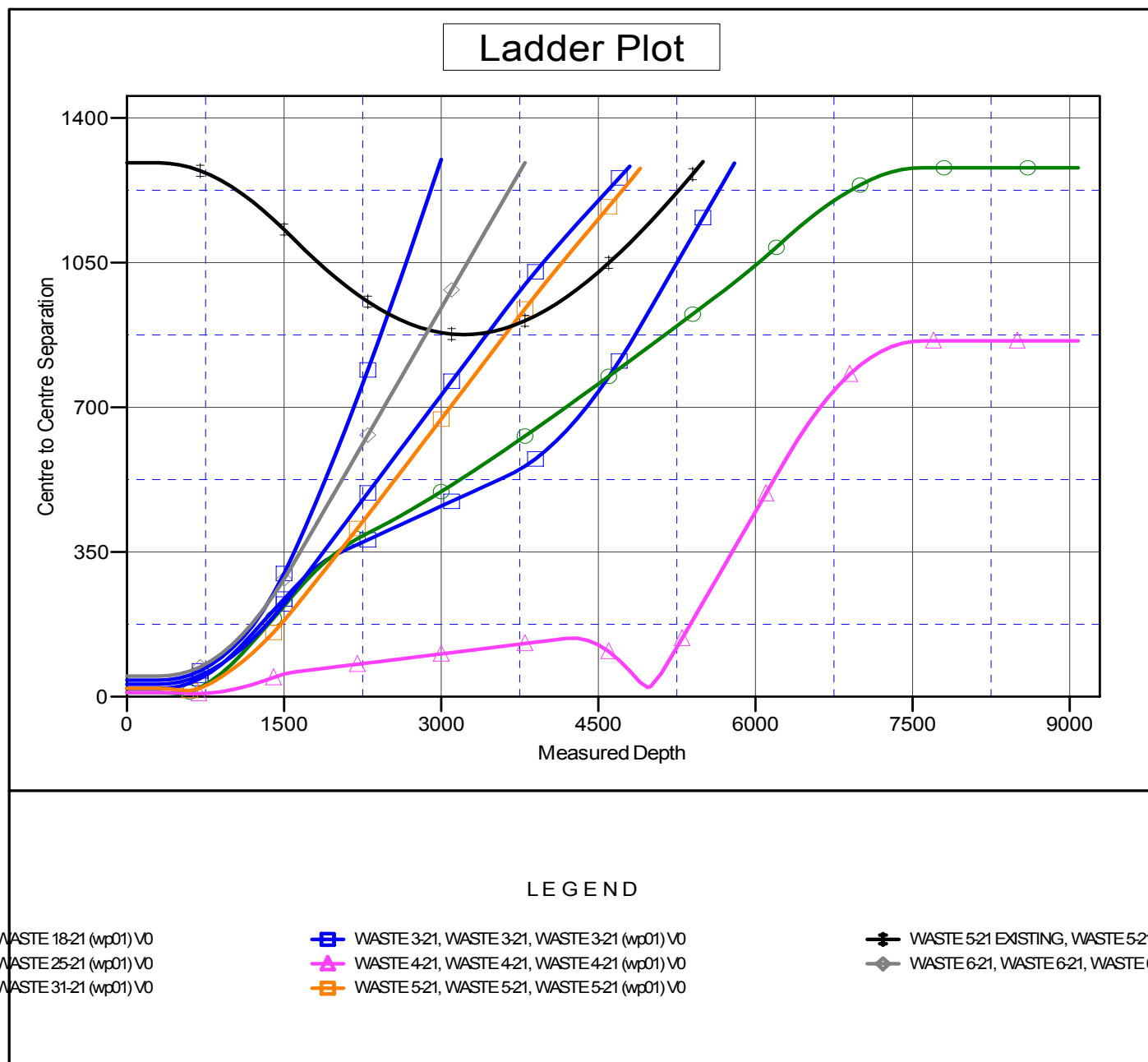
Reference	WASTE 30-21 (wp01)		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD Interval 100.0ft	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 1,300.8ft	Error Surface:	Elliptical Conic
Warning Levels Evaluated at:	2.00 Sigma		

Survey Tool Program	Date	10/5/2010			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
0.0	9,081.8	WASTE 30-21 (wp01) (WASTE 30-21)	MWD	MWD - Standard	

Summary						
Site Name Offset Well - Wellbore - Design	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
WELD_WASTE 6-21						
WASTE 18-21 - WASTE 18-21 - WASTE 18-21 (wp01)	300.0	300.0	19.9	18.8	17.689 CC, ES	
WASTE 25-21 - WASTE 25-21 - WASTE 25-21 (wp01)	300.0	300.0	40.0	38.9	35.628 CC, ES	
WASTE 3-21 - WASTE 3-21 - WASTE 3-21 (wp01)	300.0	300.0	30.0	28.8	26.658 CC, ES	
WASTE 6-21 - WASTE 6-21 - WASTE 6-21 (wp01)	300.0	300.0	49.8	48.7	44.348 CC, ES	
WASTE 31-21 - WASTE 31-21 - WASTE 31-21 (wp01)	499.5	499.3	7.3	5.3	3.619 CC	
WASTE 18-21 - WASTE 18-21 - WASTE 18-21 (wp01)	500.0	499.8	25.2	23.2	12.447 SF	
WASTE 31-21 - WASTE 31-21 - WASTE 31-21 (wp01)	500.0	499.8	7.3	5.3	3.615 ES, SF	
WASTE 5-21 - WASTE 5-21 - WASTE 5-21 (wp01)	579.5	579.0	14.9	12.5	6.208 CC, ES	
WASTE 25-21 - WASTE 25-21 - WASTE 25-21 (wp01)	600.0	599.5	52.1	49.6	20.995 SF	
WASTE 3-21 - WASTE 3-21 - WASTE 3-21 (wp01)	600.0	599.3	42.0	39.5	16.718 SF	
WASTE 5-21 - WASTE 5-21 - WASTE 5-21 (wp01)	600.0	599.5	15.0	12.5	6.021 SF	
WASTE 4-21 - WASTE 4-21 - WASTE 4-21 (wp01)	687.2	688.0	7.6	4.6	2.497 CC	
WASTE 6-21 - WASTE 6-21 - WASTE 6-21 (wp01)	700.0	698.7	71.9	69.0	24.423 SF	
WASTE 5-21 EXISTING - WASTE 5-21 EXISTING - WA	3,215.6	3,030.9	876.0	848.1	31.295 CC	
WASTE 5-21 EXISTING - WASTE 5-21 EXISTING - WA	3,300.0	3,107.7	876.8	847.9	30.341 ES	
WASTE 5-21 EXISTING - WASTE 5-21 EXISTING - WA	4,200.0	3,925.6	967.6	931.0	26.455 SF	
WASTE 4-21 - WASTE 4-21 - WASTE 4-21 (wp01)	4,973.2	4,986.9	22.5	-51.6	0.304 Level 1 , ES, SF	

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Reference Well:	WASTE 30-21	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	WASTE 30-21	Database:	EDM 2003.21 Single User Db
Reference Design:	WASTE 30-21 (wp01)	Offset TVD Reference:	Offset Datum

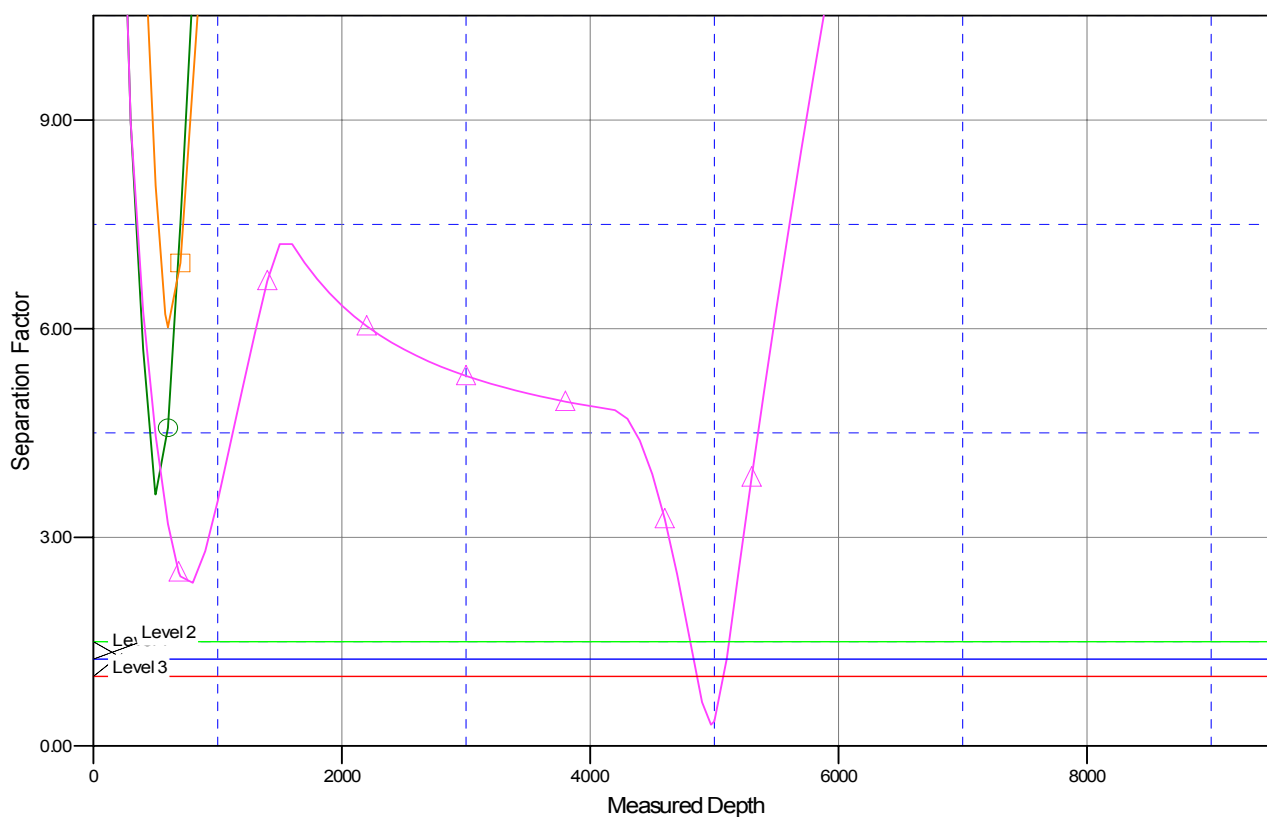
Reference Depths are relative to WELL @ 5213.0ft (Original Well Elev) Coordinates are relative to: WASTE 30-21
Offset Depths are relative to Offset Datum Coordinate System is US State Plane 1983, Colorado Northern Zone
Central Meridian is 105° 30' 0.000 W ° Grid Convergence at Surface is: 0.32°



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Central Meridian is 105° 30' 0.000 W ° Grid Convergence at Surface is: 0.32°

Separation Factor Plot



LEGEND

WASTE 18-21 (wp01) V0	WASTE 3-21, WASTE 3-21, WASTE 3-21 (wp01) V0	WASTE 5-21 EXISTING, WASTE 5-21 EXISTING
WASTE 25-21 (wp01) V0	WASTE 4-21, WASTE 4-21, WASTE 4-21 (wp01) V0	WASTE 6-21, WASTE 6-21, WASTE 6-21
WASTE 31-21 (wp01) V0	WASTE 5-21, WASTE 5-21, WASTE 5-21 (wp01) V0	