



ANADARKO PETROLEUM CORP.

ANADARKO COLORADO NORTHERN ZONE NAD 83

WELD_WASTE 6-21

WASTE 3-21

WASTE 3-21

Plan: WASTE 3-21 (wp01)

Standard Planning Report

05 October, 2010





Project: ANADARKO COLORADO NORTHERN ZONE NAD 83
 Site: WELD_WASTE 6-21
 Well: WASTE 3-21
 Wellbore: WASTE 3-21
 Section:
 SHL:
 Design: WASTE 3-21 (wp01)
 Latitude: 40° 2' 18.614 N
 Longitude: 105° 0' 41.292 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
4263.0	4509.2	PK
4763.0	5009.3	SX
7545.0	7791.3	NIO
7953.0	8199.3	CD
8030.0	8276.3	GH
8383.0	8629.3	J

CASING DETAILS

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

SECTION DETAILS

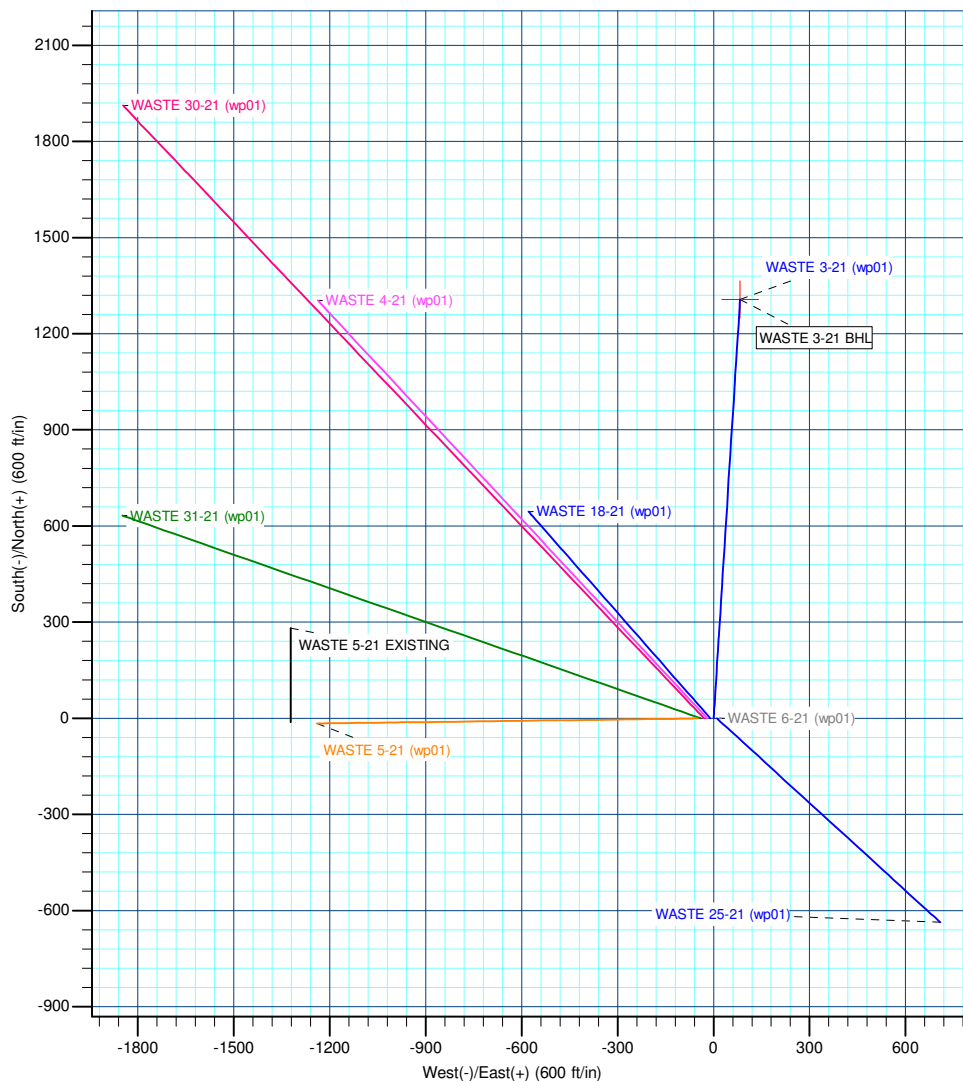
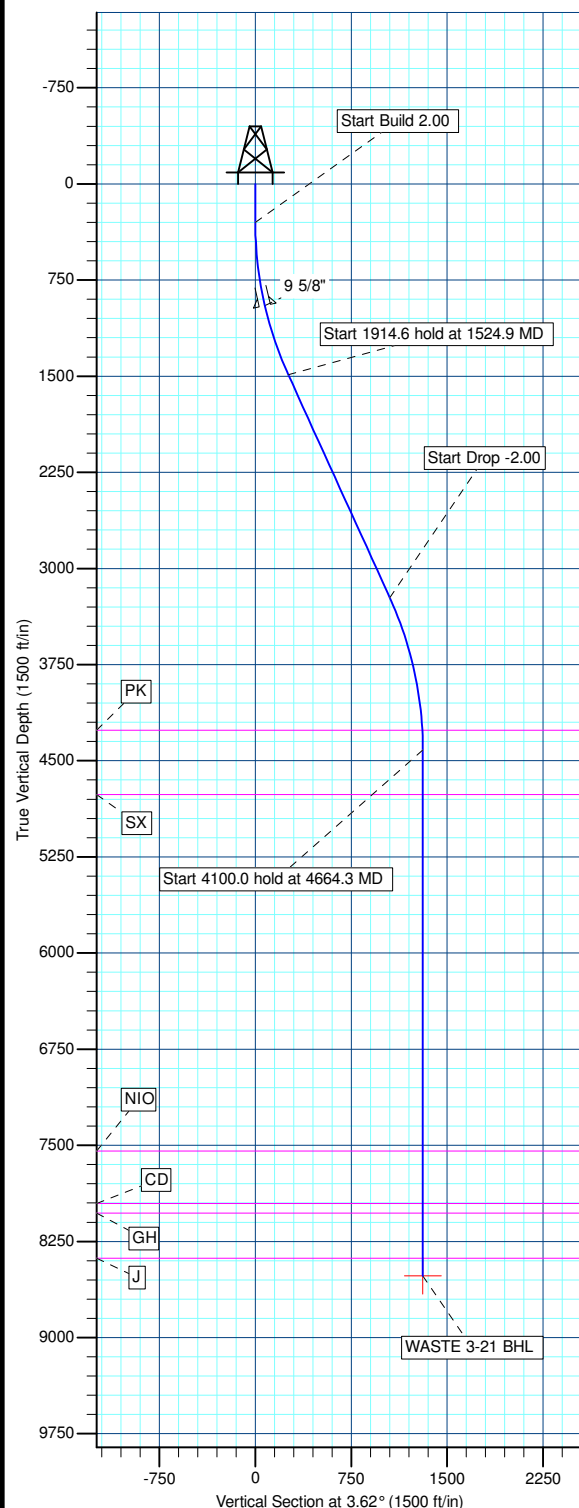
MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Annotation
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
300.0	0.00	0.00	300.0	0.0	0.0	0.00	0.00	0.0	Start Build 2.00
1524.9	24.50	3.62	1487.9	257.4	16.3	2.00	3.62	257.9	Start 1914.6 hold at 1524.9 MD
3439.5	24.50	3.62	3230.1	1049.7	66.3	0.00	0.00	1051.8	Start Drop -2.00
4664.3	0.00	0.32	4418.0	1307.0	82.6	2.00	180.00	1309.6	Start 4100.0 hold at 4664.3 MD
8764.3	0.00	0.32	8518.0	1307.0	82.6	0.00	0.00	1309.6	TD at 8764.3

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

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
WASTE 3-21 BHL	8518.0	1307.0	82.6	40° 2' 31.531 N	105° 0' 40.230 W	Point

WELL DETAILS: WASTE 3-21

+N/-S	+E/-W	Northing	Ground Level: Easting	5213.0 Latitude	Longitude	Slot
0.0	0.0	1257249.64	3136785.47	40° 2' 18.614 N	105° 0' 41.292 W	



Plan: WASTE 3-21 (wp01) (WASTE 3-21/WASTE 3-21)

Created By: Jason Daguitera Date: 9:25, October 05 2010

Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well WASTE 3-21
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 3-21	Survey Calculation Method:	Minimum Curvature
Wellbore:	WASTE 3-21		
Design:	WASTE 3-21 (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 3-21					
Well Position	+N/-S	0.0 ft	Northing:	1,257,249.64 ft	Latitude:	40° 2' 18.614 N
	+E/-W	0.0 ft	Easting:	3,136,785.47 ft	Longitude:	105° 0' 41.292 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	5,213.0 ft

Wellbore	WASTE 3-21				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2010	10/4/2010	9.02	66.75	52,967

Design	WASTE 3-21 (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	3.62

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	
1,524.9	24.50	3.62	1,487.9	257.4	16.3	2.00	2.00	0.00	3.62	
3,439.5	24.50	3.62	3,230.1	1,049.7	66.3	0.00	0.00	0.00	0.00	
4,664.3	0.00	0.32	4,418.0	1,307.0	82.6	2.00	-2.00	0.00	180.00	
8,764.3	0.00	0.32	8,518.0	1,307.0	82.6	0.00	0.00	0.00	0.00	WASTE 3-21 BHL

Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well WASTE 3-21
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 3-21	Survey Calculation Method:	Minimum Curvature
Wellbore:	WASTE 3-21		
Design:	WASTE 3-21 (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	3.62	400.0	1.7	0.1	1.7	2.00	2.00	0.00
500.0	4.00	3.62	499.8	7.0	0.4	7.0	2.00	2.00	0.00
600.0	6.00	3.62	599.5	15.7	1.0	15.7	2.00	2.00	0.00
700.0	8.00	3.62	698.7	27.8	1.8	27.9	2.00	2.00	0.00
800.0	10.00	3.62	797.5	43.4	2.7	43.5	2.00	2.00	0.00
900.0	12.00	3.62	895.6	62.5	3.9	62.6	2.00	2.00	0.00
9 5/8"									
955.7	13.11	3.62	950.0	74.6	4.7	74.7	2.00	2.00	0.00
1,000.0	14.00	3.62	993.1	84.9	5.4	85.1	2.00	2.00	0.00
1,100.0	16.00	3.62	1,089.6	110.8	7.0	111.0	2.00	2.00	0.00
1,200.0	18.00	3.62	1,185.3	139.9	8.8	140.2	2.00	2.00	0.00
1,300.0	20.00	3.62	1,279.8	172.4	10.9	172.8	2.00	2.00	0.00
1,400.0	22.00	3.62	1,373.2	208.2	13.2	208.6	2.00	2.00	0.00
1,500.0	24.00	3.62	1,465.2	247.2	15.6	247.7	2.00	2.00	0.00
Start 1914.6 hold at 1524.9 MD									
1,524.9	24.50	3.62	1,487.9	257.4	16.3	257.9	2.00	2.00	0.00
1,600.0	24.50	3.62	1,556.3	288.5	18.2	289.0	0.00	0.00	0.00
1,700.0	24.50	3.62	1,647.3	329.8	20.8	330.5	0.00	0.00	0.00
1,800.0	24.50	3.62	1,738.3	371.2	23.5	372.0	0.00	0.00	0.00
1,900.0	24.50	3.62	1,829.3	412.6	26.1	413.4	0.00	0.00	0.00
2,000.0	24.50	3.62	1,920.3	454.0	28.7	454.9	0.00	0.00	0.00
2,100.0	24.50	3.62	2,011.2	495.4	31.3	496.4	0.00	0.00	0.00
2,200.0	24.50	3.62	2,102.2	536.8	33.9	537.8	0.00	0.00	0.00
2,300.0	24.50	3.62	2,193.2	578.1	36.5	579.3	0.00	0.00	0.00
2,400.0	24.50	3.62	2,284.2	619.5	39.1	620.8	0.00	0.00	0.00
2,500.0	24.50	3.62	2,375.2	660.9	41.8	662.2	0.00	0.00	0.00
2,600.0	24.50	3.62	2,466.2	702.3	44.4	703.7	0.00	0.00	0.00
2,700.0	24.50	3.62	2,557.2	743.7	47.0	745.1	0.00	0.00	0.00
2,800.0	24.50	3.62	2,648.2	785.0	49.6	786.6	0.00	0.00	0.00
2,900.0	24.50	3.62	2,739.2	826.4	52.2	828.1	0.00	0.00	0.00
3,000.0	24.50	3.62	2,830.2	867.8	54.8	869.5	0.00	0.00	0.00
3,100.0	24.50	3.62	2,921.2	909.2	57.5	911.0	0.00	0.00	0.00
3,200.0	24.50	3.62	3,012.2	950.6	60.1	952.5	0.00	0.00	0.00
3,300.0	24.50	3.62	3,103.2	992.0	62.7	993.9	0.00	0.00	0.00
3,400.0	24.50	3.62	3,194.2	1,033.3	65.3	1,035.4	0.00	0.00	0.00
Start Drop -2.00									
3,439.5	24.50	3.62	3,230.1	1,049.7	66.3	1,051.8	0.00	0.00	0.00
3,500.0	23.29	3.62	3,285.5	1,074.1	67.9	1,076.3	2.00	-2.00	0.00
3,600.0	21.29	3.62	3,378.0	1,112.0	70.3	1,114.2	2.00	-2.00	0.00
3,700.0	19.29	3.62	3,471.8	1,146.6	72.5	1,148.9	2.00	-2.00	0.00
3,800.0	17.29	3.62	3,566.8	1,177.9	74.4	1,180.2	2.00	-2.00	0.00
3,900.0	15.29	3.62	3,662.7	1,205.9	76.2	1,208.3	2.00	-2.00	0.00
4,000.0	13.29	3.62	3,759.6	1,230.5	77.8	1,233.0	2.00	-2.00	0.00
4,100.0	11.29	3.62	3,857.3	1,251.7	79.1	1,254.2	2.00	-2.00	0.00
4,200.0	9.29	3.62	3,955.7	1,269.6	80.2	1,272.1	2.00	-2.00	0.00
4,300.0	7.29	3.62	4,054.7	1,283.9	81.1	1,286.5	2.00	-2.00	0.00
4,400.0	5.29	3.62	4,154.1	1,294.9	81.8	1,297.5	2.00	-2.00	0.00
4,500.0	3.29	3.62	4,253.8	1,302.3	82.3	1,304.9	2.00	-2.00	0.00

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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 3-21	Survey Calculation Method:	Minimum Curvature
Wellbore:	WASTE 3-21		
Design:	WASTE 3-21 (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)
PK									
4,509.2	3.10	3.62	4,263.0	1,302.8	82.3	1,305.4	2.00	-2.00	0.00
4,600.0	1.29	3.62	4,353.7	1,306.3	82.5	1,308.9	2.00	-2.00	0.00
Start 4100.0 hold at 4664.3 MD									
4,664.3	0.00	0.32	4,418.0	1,307.0	82.6	1,309.6	2.00	-2.00	0.00
4,700.0	0.00	0.32	4,453.7	1,307.0	82.6	1,309.6	0.00	0.00	0.00
4,800.0	0.00	0.32	4,553.7	1,307.0	82.6	1,309.6	0.00	0.00	0.00
4,900.0	0.00	0.32	4,653.7	1,307.0	82.6	1,309.6	0.00	0.00	0.00
5,000.0	0.00	0.32	4,753.7	1,307.0	82.6	1,309.6	0.00	0.00	0.00
SX									
5,009.3	0.00	0.32	4,763.0	1,307.0	82.6	1,309.6	0.00	0.00	0.00
5,100.0	0.00	0.32	4,853.7	1,307.0	82.6	1,309.6	0.00	0.00	0.00
5,200.0	0.00	0.32	4,953.7	1,307.0	82.6	1,309.6	0.00	0.00	0.00
5,300.0	0.00	0.32	5,053.7	1,307.0	82.6	1,309.6	0.00	0.00	0.00
5,400.0	0.00	0.32	5,153.7	1,307.0	82.6	1,309.6	0.00	0.00	0.00
5,500.0	0.00	0.32	5,253.7	1,307.0	82.6	1,309.6	0.00	0.00	0.00
5,600.0	0.00	0.32	5,353.7	1,307.0	82.6	1,309.6	0.00	0.00	0.00
5,700.0	0.00	0.32	5,453.7	1,307.0	82.6	1,309.6	0.00	0.00	0.00
5,800.0	0.00	0.32	5,553.7	1,307.0	82.6	1,309.6	0.00	0.00	0.00
5,900.0	0.00	0.32	5,653.7	1,307.0	82.6	1,309.6	0.00	0.00	0.00
6,000.0	0.00	0.32	5,753.7	1,307.0	82.6	1,309.6	0.00	0.00	0.00
6,100.0	0.00	0.32	5,853.7	1,307.0	82.6	1,309.6	0.00	0.00	0.00
6,200.0	0.00	0.32	5,953.7	1,307.0	82.6	1,309.6	0.00	0.00	0.00
6,300.0	0.00	0.32	6,053.7	1,307.0	82.6	1,309.6	0.00	0.00	0.00
6,400.0	0.00	0.32	6,153.7	1,307.0	82.6	1,309.6	0.00	0.00	0.00
6,500.0	0.00	0.32	6,253.7	1,307.0	82.6	1,309.6	0.00	0.00	0.00
6,600.0	0.00	0.32	6,353.7	1,307.0	82.6	1,309.6	0.00	0.00	0.00
6,700.0	0.00	0.32	6,453.7	1,307.0	82.6	1,309.6	0.00	0.00	0.00
6,800.0	0.00	0.32	6,553.7	1,307.0	82.6	1,309.6	0.00	0.00	0.00
6,900.0	0.00	0.32	6,653.7	1,307.0	82.6	1,309.6	0.00	0.00	0.00
7,000.0	0.00	0.32	6,753.7	1,307.0	82.6	1,309.6	0.00	0.00	0.00
7,100.0	0.00	0.32	6,853.7	1,307.0	82.6	1,309.6	0.00	0.00	0.00
7,200.0	0.00	0.32	6,953.7	1,307.0	82.6	1,309.6	0.00	0.00	0.00
7,300.0	0.00	0.32	7,053.7	1,307.0	82.6	1,309.6	0.00	0.00	0.00
7,400.0	0.00	0.32	7,153.7	1,307.0	82.6	1,309.6	0.00	0.00	0.00
7,500.0	0.00	0.32	7,253.7	1,307.0	82.6	1,309.6	0.00	0.00	0.00
7,600.0	0.00	0.32	7,353.7	1,307.0	82.6	1,309.6	0.00	0.00	0.00
7,700.0	0.00	0.32	7,453.7	1,307.0	82.6	1,309.6	0.00	0.00	0.00
NIO									
7,791.3	0.00	0.32	7,545.0	1,307.0	82.6	1,309.6	0.00	0.00	0.00
7,800.0	0.00	0.32	7,553.7	1,307.0	82.6	1,309.6	0.00	0.00	0.00
7,900.0	0.00	0.32	7,653.7	1,307.0	82.6	1,309.6	0.00	0.00	0.00
8,000.0	0.00	0.32	7,753.7	1,307.0	82.6	1,309.6	0.00	0.00	0.00
8,100.0	0.00	0.32	7,853.7	1,307.0	82.6	1,309.6	0.00	0.00	0.00
CD									
8,199.3	0.00	0.32	7,953.0	1,307.0	82.6	1,309.6	0.00	0.00	0.00
8,200.0	0.00	0.32	7,953.7	1,307.0	82.6	1,309.6	0.00	0.00	0.00
GH									
8,276.3	0.00	0.32	8,030.0	1,307.0	82.6	1,309.6	0.00	0.00	0.00
8,300.0	0.00	0.32	8,053.7	1,307.0	82.6	1,309.6	0.00	0.00	0.00
8,400.0	0.00	0.32	8,153.7	1,307.0	82.6	1,309.6	0.00	0.00	0.00
8,500.0	0.00	0.32	8,253.7	1,307.0	82.6	1,309.6	0.00	0.00	0.00

Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well WASTE 3-21
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 3-21	Survey Calculation Method:	Minimum Curvature
Wellbore:	WASTE 3-21		
Design:	WASTE 3-21 (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	8,353.7	1,307.0	82.6	1,309.6	0.00	0.00	0.00
J									
8,629.3	0.00	0.32	8,383.0	1,307.0	82.6	1,309.6	0.00	0.00	0.00
8,700.0	0.00	0.32	8,453.7	1,307.0	82.6	1,309.6	0.00	0.00	0.00
TD at 8764.3									
8,764.3	0.00	0.32	8,518.0	1,307.0	82.6	1,309.6	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 3-21 BHL	0.00	0.32	8,518.0	1,307.0	82.6	1,258,557.11	3,136,860.86	40° 2' 31.531 N	105° 0' 40.230 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 (°)
4,509.2	4,263.0	PK			
8,629.3	8,383.0	J			
8,276.3	8,030.0	GH			
5,009.3	4,763.0	SX			
8,199.3	7,953.0	CD			
7,791.3	7,545.0	NIO			

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
300.0	300.0	0.0	0.0	Start Build 2.00
1,524.9	1,487.9	257.4	16.3	Start 1914.6 hold at 1524.9 MD
3,439.5	3,230.1	1,049.7	66.3	Start Drop -2.00
4,664.3	4,418.0	1,307.0	82.6	Start 4100.0 hold at 4664.3 MD
8,764.3	8,518.0	1,307.0	82.6	TD at 8764.3

ANADARKO PETROLEUM CORP.

**ANADARKO COLORADO NORTHERN ZONE NAD 83
WELD_WASTE 6-21
WASTE 3-21**

**WASTE 3-21
WASTE 3-21 (wp01)**

Anticollision Summary Report

05 October, 2010

Company:	ANADARKO PETROLEUM CORP.	Local Co-ordinate Reference:	Well WASTE 3-21
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 3-21	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	WASTE 3-21	Database:	EDM 2003.21 Single User Db
Reference Design:	WASTE 3-21 (wp01)	Offset TVD Reference:	Offset Datum

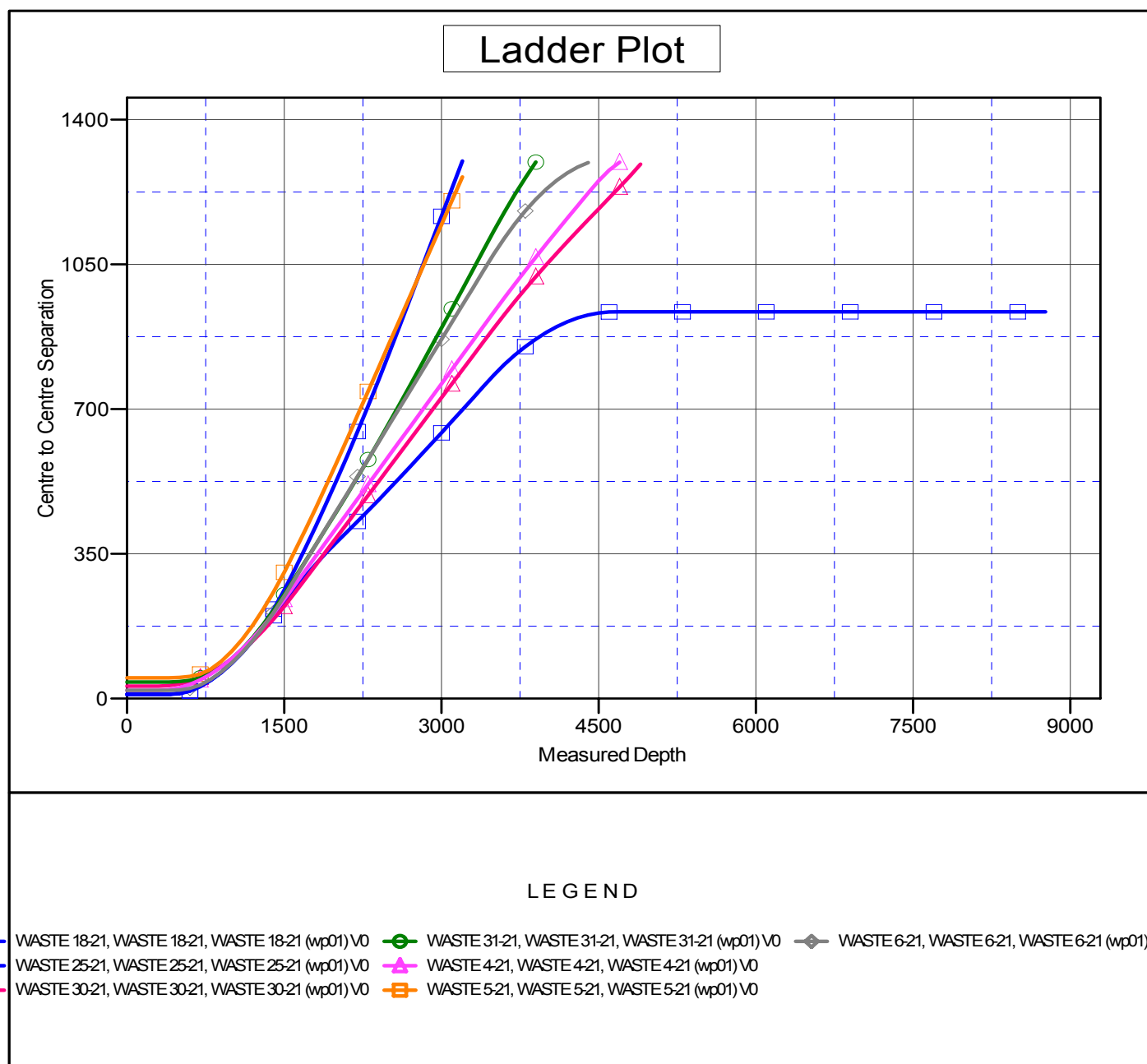
Reference	WASTE 3-21 (wp01)		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD Interval 100.0ft	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 1,300.8ft	Error 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	8,764.2	WASTE 3-21 (wp01) (WASTE 3-21)	MWD	MWD - Standard

Summary						
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
WELD_WASTE 6-21						
WASTE 5-21 EXISTING - WASTE 5-21 EXISTING - WA						Out of range
WASTE 18-21 - WASTE 18-21 - WASTE 18-21 (wp01)	300.0	300.0	10.1	9.0	8.969 CC	
WASTE 30-21 - WASTE 30-21 - WASTE 30-21 (wp01)	300.0	300.0	30.0	28.8	26.658 CC, ES	
WASTE 31-21 - WASTE 31-21 - WASTE 31-21 (wp01)	300.0	300.0	40.0	38.9	35.628 CC	
WASTE 4-21 - WASTE 4-21 - WASTE 4-21 (wp01)	300.0	300.0	19.9	18.8	17.689 CC, ES	
WASTE 5-21 - WASTE 5-21 - WASTE 5-21 (wp01)	300.0	300.0	50.1	49.0	44.598 CC	
WASTE 25-21 - WASTE 25-21 - WASTE 25-21 (wp01)	360.4	360.3	10.1	8.7	7.213 CC	
WASTE 6-21 - WASTE 6-21 - WASTE 6-21 (wp01)	384.8	384.7	19.8	18.3	13.189 CC	
WASTE 18-21 - WASTE 18-21 - WASTE 18-21 (wp01)	400.0	400.0	10.3	8.8	6.572 ES	
WASTE 25-21 - WASTE 25-21 - WASTE 25-21 (wp01)	400.0	400.0	10.1	8.5	6.435 ES	
WASTE 31-21 - WASTE 31-21 - WASTE 31-21 (wp01)	400.0	400.0	40.2	38.6	25.552 ES	
WASTE 5-21 - WASTE 5-21 - WASTE 5-21 (wp01)	400.0	400.0	50.3	48.7	31.965 ES	
WASTE 6-21 - WASTE 6-21 - WASTE 6-21 (wp01)	400.0	400.0	19.8	18.3	12.619 ES	
WASTE 18-21 - WASTE 18-21 - WASTE 18-21 (wp01)	500.0	499.8	12.6	10.6	6.215 SF	
WASTE 25-21 - WASTE 25-21 - WASTE 25-21 (wp01)	500.0	499.8	11.9	9.9	5.862 SF	
WASTE 4-21 - WASTE 4-21 - WASTE 4-21 (wp01)	500.0	498.6	26.2	24.2	12.936 SF	
WASTE 30-21 - WASTE 30-21 - WASTE 30-21 (wp01)	600.0	597.3	41.9	39.4	16.713 SF	
WASTE 6-21 - WASTE 6-21 - WASTE 6-21 (wp01)	600.0	599.5	24.5	22.0	9.838 SF	
WASTE 31-21 - WASTE 31-21 - WASTE 31-21 (wp01)	700.0	698.7	50.2	47.2	16.866 SF	
WASTE 5-21 - WASTE 5-21 - WASTE 5-21 (wp01)	700.0	697.8	59.4	56.4	19.976 SF	

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Reference Well:	WASTE 3-21	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	WASTE 3-21	Database:	EDM 2003.21 Single User Db
Reference Design:	WASTE 3-21 (wp01)	Offset TVD Reference:	Offset Datum

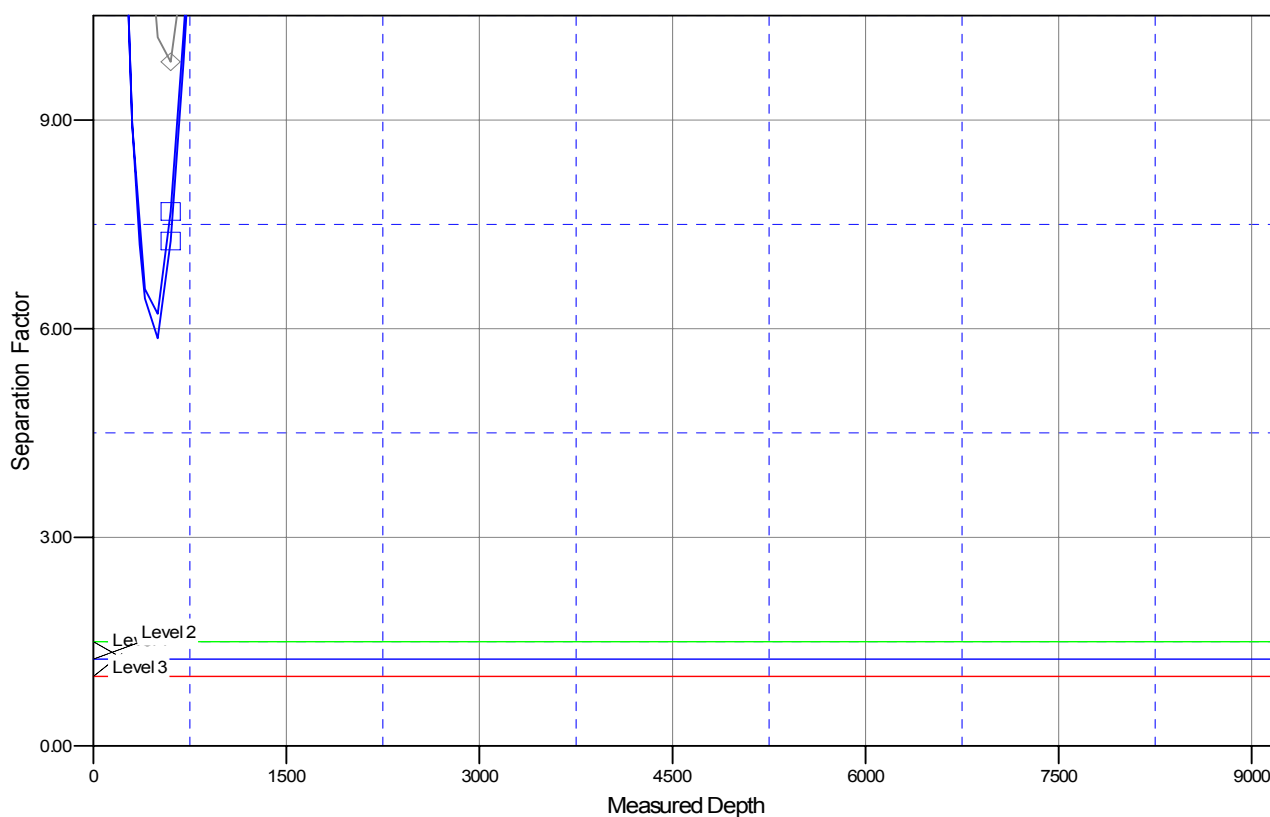
Reference Depths are relative to WELL @ 5213.0ft (Original Well Elev) Coordinates are relative to: WASTE 3-21
Offset Depths are relative to Offset Datum Coordinate System is US State Plane 1983, Colorado Northern Zone
Central Meridian is 105° 30' 0.000 W ° Grid Convergence at Surface is: 0.32°



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Reference Depths are relative to WELL @ 5213.0ft (Original Well Elev) Coordinates are relative to: WASTE 3-21
Offset Depths are relative to Offset Datum
Central Meridian is 105° 30' 0.000 W °
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 0.32°

Separation Factor Plot



LEGEND

- WASTE 18-21, WASTE 18-21, WASTE 18-21 (wp01) V0
- WASTE 25-21, WASTE 25-21, WASTE 25-21 (wp01) V0
- WASTE 30-21, WASTE 30-21, WASTE 30-21 (wp01) V0
- WASTE 31-21, WASTE 31-21, WASTE 31-21 (wp01) V0
- WASTE 4-21, WASTE 4-21, WASTE 4-21 (wp01) V0
- WASTE 5-21, WASTE 5-21, WASTE 5-21 (wp01) V0
- WASTE 6-21, WASTE 6-21, WASTE 6-21 (wp01) V0