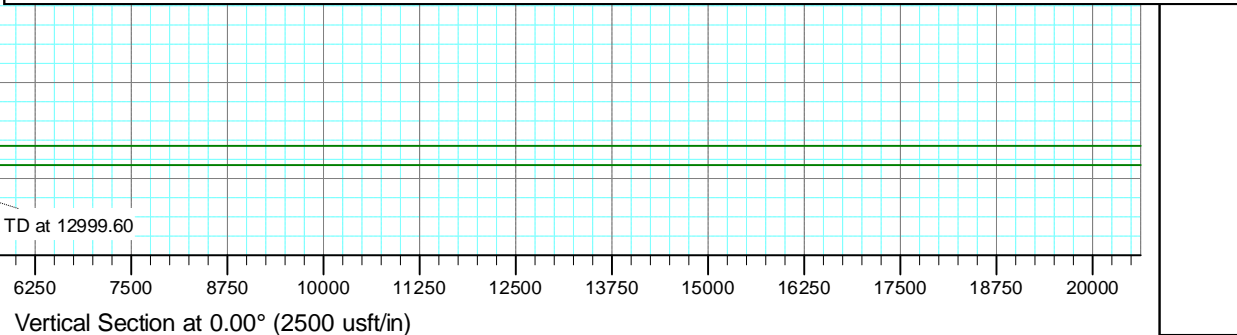
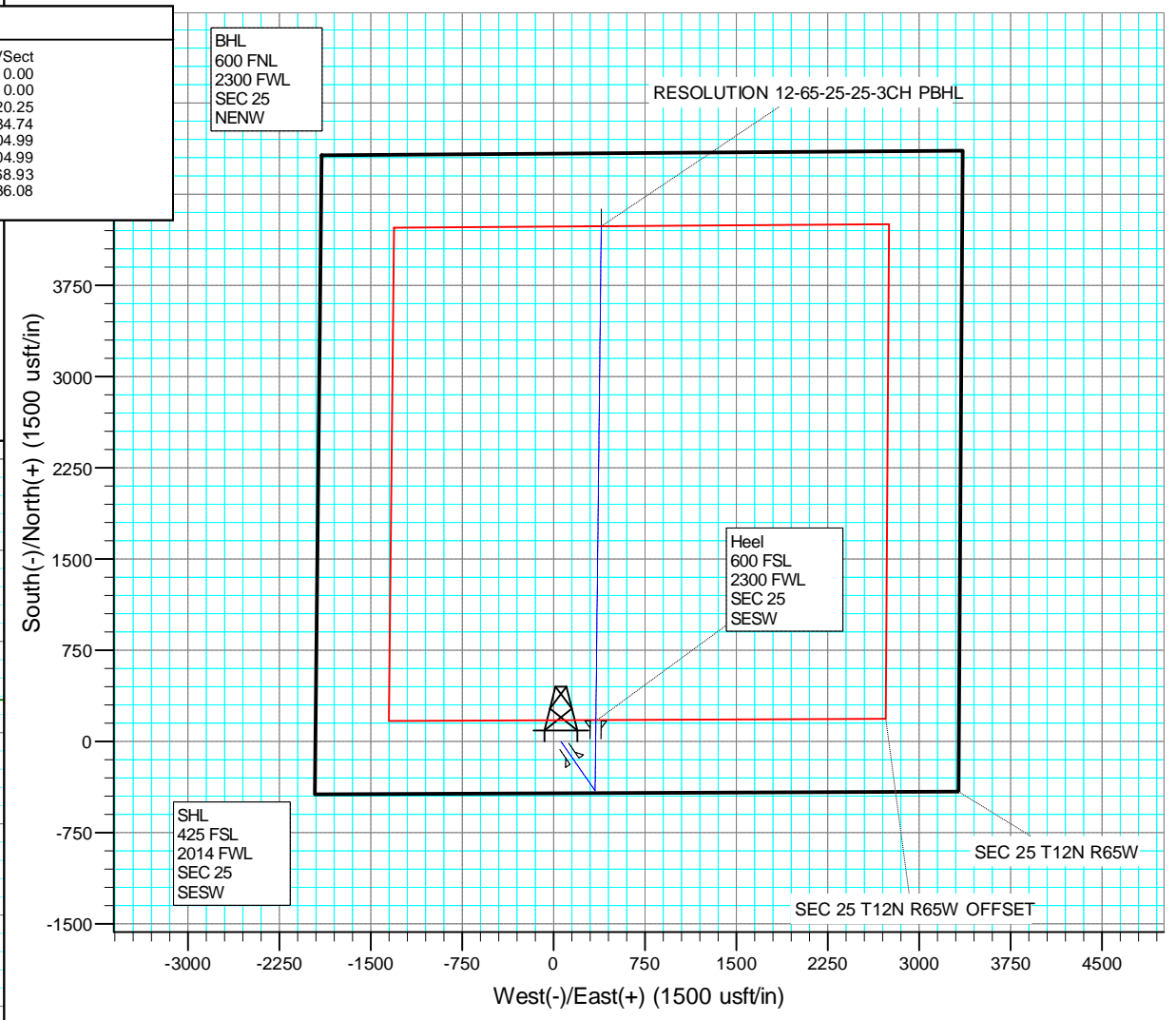
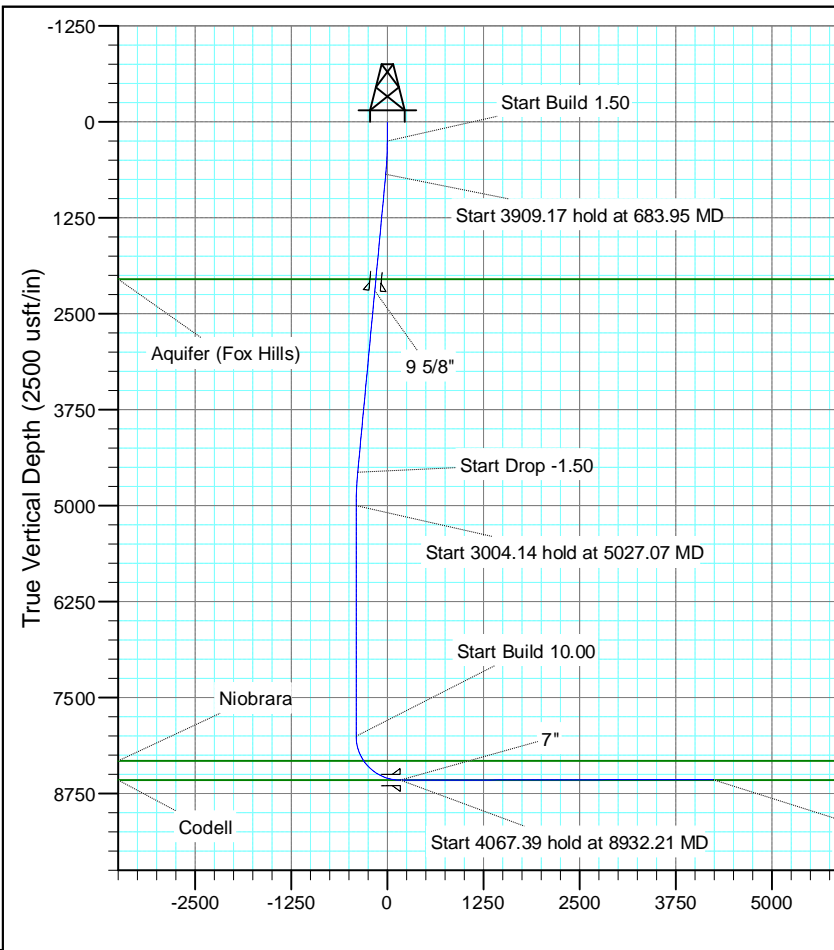


SECTION DETAILS								
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect
0.00	0.00	0.00	0.00	-0.01	59.93	0.00	0.00	0.00
250.00	0.00	0.00	250.00	-0.01	59.93	0.00	0.00	0.00
683.95	6.51	145.33	683.02	-20.26	73.93	1.50	145.33	-20.25
4593.12	6.51	145.33	4566.98	-384.75	325.99	0.00	0.00	-384.74
5027.07	0.00	0.00	5000.00	-405.00	340.00	1.50	180.00	-404.99
8031.21	0.00	0.00	8004.14	-405.00	340.00	0.00	0.00	-404.99
8932.21	90.10	0.62	8577.10	168.92	346.24	10.00	0.62	168.93
12999.60	90.10	0.62	8570.00	4236.07	390.42	0.00	0.00	4236.08

FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
2050.00	2059.80	Aquifer (Fox Hills)
8325.00	8371.77	Niobrara
8575.00	8882.14	Codell



US ROCKIES REGION PLANNING

COLORADO NORTHERN ZONE - 83

RESOLUTION 12-65-25-25-4NH PAD

RESOLUTION 12-65-25-25-3CH

Wellbore #1

Plan: PLAN #1

Standard Planning Report

31 December, 2015

Anadarko

Planning Report

Database:	PLANNING	Local Co-ordinate Reference:	Site RESOLUTION 12-65-25-25-4NH PAD
Company:	US ROCKIES REGION PLANNING	TVD Reference:	WELL @ 5940.00usft (Original Well Elev)
Project:	COLORADO NORTHERN ZONE - 83	MD Reference:	WELL @ 5940.00usft (Original Well Elev)
Site:	RESOLUTION 12-65-25-25-4NH PAD	North Reference:	True
Well:	RESOLUTION 12-65-25-25-3CH	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	PLAN #1		

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

Site	RESOLUTION 12-65-25-25-4NH PAD			
Site Position:		Northing:	1,598,305.89 usft	Latitude: 40.972340
From:	Lat/Long	Easting:	3,245,166.71 usft	Longitude: -104.612211
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence: 0.57 °

Well	RESOLUTION 12-65-25-25-3CH			
Well Position	+N/-S	-0.01 usft	Northing:	1,598,306.48 usft
	+E/-W	59.93 usft	Easting:	3,245,226.63 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	0.00 usft	Ground Level: 5,914.00 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	12/31/2009	8.99	67.60	53,609

Design	PLAN #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	-0.01	59.93	0.00

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	-0.01	59.93	0.00	0.00	0.00	0.00	
250.00	0.00	0.00	250.00	-0.01	59.93	0.00	0.00	0.00	0.00	
683.95	6.51	145.33	683.02	-20.26	73.93	1.50	1.50	0.00	145.33	
4,593.12	6.51	145.33	4,566.99	-384.75	325.99	0.00	0.00	0.00	0.00	
5,027.07	0.00	0.00	5,000.00	-405.00	340.00	1.50	-1.50	0.00	180.00	
8,031.21	0.00	0.00	8,004.14	-405.00	340.00	0.00	0.00	0.00	0.00	
8,932.21	90.10	0.62	8,577.10	168.92	346.24	10.00	10.00	0.00	0.62	
12,999.60	90.10	0.62	8,570.00	4,236.07	390.42	0.00	0.00	0.00	0.00	RESOLUTION 12-65-

Anadarko

Planning Report

Database:	PLANNING	Local Co-ordinate Reference:	Site RESOLUTION 12-65-25-25-4NH PAD
Company:	US ROCKIES REGION PLANNING	TVD Reference:	WELL @ 5940.00usft (Original Well Elev)
Project:	COLORADO NORTHERN ZONE - 83	MD Reference:	WELL @ 5940.00usft (Original Well Elev)
Site:	RESOLUTION 12-65-25-25-4NH PAD	North Reference:	True
Well:	RESOLUTION 12-65-25-25-3CH	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	PLAN #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	-0.01	59.93	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	-0.01	59.93	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	-0.01	59.93	0.00	0.00	0.00	0.00
250.00	0.00	0.00	250.00	-0.01	59.93	0.00	0.00	0.00	0.00
Start Build 1.50									
300.00	0.75	145.33	300.00	-0.28	60.11	-0.27	1.50	1.50	0.00
400.00	2.25	145.33	399.96	-2.43	61.60	-2.42	1.50	1.50	0.00
500.00	3.75	145.33	499.82	-6.73	64.58	-6.73	1.50	1.50	0.00
600.00	5.25	145.33	599.51	-13.19	69.04	-13.18	1.50	1.50	0.00
683.95	6.51	145.33	683.02	-20.26	73.93	-20.25	1.50	1.50	0.00
Start 3909.17 hold at 683.95 MD									
700.00	6.51	145.33	698.96	-21.76	74.97	-21.75	0.00	0.00	0.00
800.00	6.51	145.33	798.32	-31.08	81.41	-31.07	0.00	0.00	0.00
900.00	6.51	145.33	897.67	-40.40	87.86	-40.40	0.00	0.00	0.00
1,000.00	6.51	145.33	997.03	-49.73	94.31	-49.72	0.00	0.00	0.00
1,100.00	6.51	145.33	1,096.38	-59.05	100.76	-59.04	0.00	0.00	0.00
1,200.00	6.51	145.33	1,195.74	-68.38	107.21	-68.37	0.00	0.00	0.00
1,300.00	6.51	145.33	1,295.09	-77.70	113.65	-77.69	0.00	0.00	0.00
1,400.00	6.51	145.33	1,394.45	-87.02	120.10	-87.02	0.00	0.00	0.00
1,500.00	6.51	145.33	1,493.80	-96.35	126.55	-96.34	0.00	0.00	0.00
1,600.00	6.51	145.33	1,593.16	-105.67	133.00	-105.66	0.00	0.00	0.00
1,700.00	6.51	145.33	1,692.51	-115.00	139.45	-114.99	0.00	0.00	0.00
1,800.00	6.51	145.33	1,791.87	-124.32	145.89	-124.31	0.00	0.00	0.00
1,900.00	6.51	145.33	1,891.22	-133.64	152.34	-133.64	0.00	0.00	0.00
2,000.00	6.51	145.33	1,990.58	-142.97	158.79	-142.96	0.00	0.00	0.00
2,059.80	6.51	145.33	2,050.00	-148.54	162.65	-148.54	0.00	0.00	0.00
Aquifer (Fox Hills)									
2,100.00	6.51	145.33	2,089.93	-152.29	165.24	-152.28	0.00	0.00	0.00
2,200.00	6.51	145.33	2,189.29	-161.62	171.69	-161.61	0.00	0.00	0.00
2,210.78	6.51	145.33	2,200.00	-162.62	172.38	-162.61	0.00	0.00	0.00
9 5/8"									
2,300.00	6.51	145.33	2,288.64	-170.94	178.13	-170.93	0.00	0.00	0.00
2,400.00	6.51	145.33	2,388.00	-180.26	184.58	-180.26	0.00	0.00	0.00
2,500.00	6.51	145.33	2,487.36	-189.59	191.03	-189.58	0.00	0.00	0.00
2,599.99	6.51	145.33	2,586.71	-198.91	197.48	-198.90	0.00	0.00	0.00
2,699.99	6.51	145.33	2,686.07	-208.23	203.93	-208.23	0.00	0.00	0.00
2,799.99	6.51	145.33	2,785.42	-217.56	210.37	-217.55	0.00	0.00	0.00
2,899.99	6.51	145.33	2,884.78	-226.88	216.82	-226.87	0.00	0.00	0.00
2,999.99	6.51	145.33	2,984.13	-236.21	223.27	-236.20	0.00	0.00	0.00
3,099.99	6.51	145.33	3,083.49	-245.53	229.72	-245.52	0.00	0.00	0.00
3,199.99	6.51	145.33	3,182.84	-254.85	236.17	-254.85	0.00	0.00	0.00
3,299.99	6.51	145.33	3,282.20	-264.18	242.61	-264.17	0.00	0.00	0.00
3,399.99	6.51	145.33	3,381.55	-273.50	249.06	-273.49	0.00	0.00	0.00
3,499.99	6.51	145.33	3,480.91	-282.83	255.51	-282.82	0.00	0.00	0.00
3,599.99	6.51	145.33	3,580.26	-292.15	261.96	-292.14	0.00	0.00	0.00
3,699.99	6.51	145.33	3,679.62	-301.47	268.41	-301.47	0.00	0.00	0.00
3,799.99	6.51	145.33	3,778.97	-310.80	274.85	-310.79	0.00	0.00	0.00
3,899.99	6.51	145.33	3,878.33	-320.12	281.30	-320.11	0.00	0.00	0.00
3,999.99	6.51	145.33	3,977.68	-329.45	287.75	-329.44	0.00	0.00	0.00
4,099.99	6.51	145.33	4,077.04	-338.77	294.20	-338.76	0.00	0.00	0.00
4,199.99	6.51	145.33	4,176.39	-348.09	300.65	-348.09	0.00	0.00	0.00
4,299.99	6.51	145.33	4,275.75	-357.42	307.09	-357.41	0.00	0.00	0.00
4,399.99	6.51	145.33	4,375.10	-366.74	313.54	-366.73	0.00	0.00	0.00
4,499.99	6.51	145.33	4,474.46	-376.06	319.99	-376.06	0.00	0.00	0.00

Anadarko

Planning Report

Database:	PLANNING	Local Co-ordinate Reference:	Site RESOLUTION 12-65-25-25-4NH PAD
Company:	US ROCKIES REGION PLANNING	TVD Reference:	WELL @ 5940.00usft (Original Well Elev)
Project:	COLORADO NORTHERN ZONE - 83	MD Reference:	WELL @ 5940.00usft (Original Well Elev)
Site:	RESOLUTION 12-65-25-25-4NH PAD	North Reference:	True
Well:	RESOLUTION 12-65-25-25-3CH	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	PLAN #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,593.12	6.51	145.33	4,566.99	-384.75	325.99	-384.74	0.00	0.00	0.00
Start Drop -1.50									
4,599.99	6.41	145.33	4,573.81	-385.38	326.43	-385.38	1.50	-1.50	0.00
4,699.99	4.91	145.33	4,673.32	-393.49	332.04	-393.48	1.50	-1.50	0.00
4,799.99	3.41	145.33	4,773.06	-399.45	336.16	-399.44	1.50	-1.50	0.00
4,899.99	1.91	145.33	4,872.95	-403.26	338.80	-403.25	1.50	-1.50	0.00
4,999.99	0.41	145.33	4,972.92	-404.92	339.95	-404.91	1.50	-1.50	0.00
5,027.07	0.00	0.00	5,000.00	-405.00	340.00	-404.99	1.50	-1.50	0.00
Start 3004.14 hold at 5027.07 MD									
5,099.99	0.00	0.00	5,072.92	-405.00	340.00	-404.99	0.00	0.00	0.00
5,199.99	0.00	0.00	5,172.92	-405.00	340.00	-404.99	0.00	0.00	0.00
5,299.99	0.00	0.00	5,272.92	-405.00	340.00	-404.99	0.00	0.00	0.00
5,399.99	0.00	0.00	5,372.92	-405.00	340.00	-404.99	0.00	0.00	0.00
5,499.99	0.00	0.00	5,472.92	-405.00	340.00	-404.99	0.00	0.00	0.00
5,599.99	0.00	0.00	5,572.92	-405.00	340.00	-404.99	0.00	0.00	0.00
5,699.99	0.00	0.00	5,672.92	-405.00	340.00	-404.99	0.00	0.00	0.00
5,799.99	0.00	0.00	5,772.92	-405.00	340.00	-404.99	0.00	0.00	0.00
5,899.99	0.00	0.00	5,872.92	-405.00	340.00	-404.99	0.00	0.00	0.00
5,999.99	0.00	0.00	5,972.92	-405.00	340.00	-404.99	0.00	0.00	0.00
6,099.99	0.00	0.00	6,072.92	-405.00	340.00	-404.99	0.00	0.00	0.00
6,199.99	0.00	0.00	6,172.92	-405.00	340.00	-404.99	0.00	0.00	0.00
6,299.99	0.00	0.00	6,272.92	-405.00	340.00	-404.99	0.00	0.00	0.00
6,399.99	0.00	0.00	6,372.92	-405.00	340.00	-404.99	0.00	0.00	0.00
6,499.99	0.00	0.00	6,472.92	-405.00	340.00	-404.99	0.00	0.00	0.00
6,599.99	0.00	0.00	6,572.92	-405.00	340.00	-404.99	0.00	0.00	0.00
6,699.99	0.00	0.00	6,672.92	-405.00	340.00	-404.99	0.00	0.00	0.00
6,799.99	0.00	0.00	6,772.92	-405.00	340.00	-404.99	0.00	0.00	0.00
6,899.99	0.00	0.00	6,872.92	-405.00	340.00	-404.99	0.00	0.00	0.00
6,999.99	0.00	0.00	6,972.92	-405.00	340.00	-404.99	0.00	0.00	0.00
7,099.99	0.00	0.00	7,072.92	-405.00	340.00	-404.99	0.00	0.00	0.00
7,199.99	0.00	0.00	7,172.92	-405.00	340.00	-404.99	0.00	0.00	0.00
7,299.99	0.00	0.00	7,272.92	-405.00	340.00	-404.99	0.00	0.00	0.00
7,399.99	0.00	0.00	7,372.92	-405.00	340.00	-404.99	0.00	0.00	0.00
7,499.99	0.00	0.00	7,472.92	-405.00	340.00	-404.99	0.00	0.00	0.00
7,599.98	0.00	0.00	7,572.92	-405.00	340.00	-404.99	0.00	0.00	0.00
7,699.98	0.00	0.00	7,672.92	-405.00	340.00	-404.99	0.00	0.00	0.00
7,799.98	0.00	0.00	7,772.92	-405.00	340.00	-404.99	0.00	0.00	0.00
7,899.98	0.00	0.00	7,872.92	-405.00	340.00	-404.99	0.00	0.00	0.00
7,999.98	0.00	0.00	7,972.92	-405.00	340.00	-404.99	0.00	0.00	0.00
8,031.21	0.00	0.00	8,004.14	-405.00	340.00	-404.99	0.00	0.00	0.00
Start Build 10.00									
8,099.98	6.88	0.62	8,072.75	-400.88	340.04	-400.87	10.00	10.00	0.00
8,199.98	16.88	0.62	8,170.49	-380.32	340.27	-380.31	10.00	10.00	0.00
8,299.98	26.88	0.62	8,263.17	-343.11	340.67	-343.10	10.00	10.00	0.00
8,371.77	34.06	0.62	8,325.00	-306.74	341.07	-306.73	10.00	10.00	0.00
Niobrara									
8,399.98	36.88	0.62	8,347.98	-290.37	341.25	-290.36	10.00	10.00	0.00
8,499.98	46.88	0.62	8,422.34	-223.70	341.97	-223.70	10.00	10.00	0.00
8,599.98	56.88	0.62	8,484.00	-145.14	342.82	-145.13	10.00	10.00	0.00
8,699.98	66.88	0.62	8,531.07	-57.06	343.78	-57.05	10.00	10.00	0.00
8,799.98	76.88	0.62	8,562.14	37.85	344.81	37.86	10.00	10.00	0.00
8,882.14	85.09	0.62	8,575.00	118.92	345.69	118.93	10.00	10.00	0.00
Codell									

Anadarko

Planning Report

Database:	PLANNING	Local Co-ordinate Reference:	Site RESOLUTION 12-65-25-25-4NH PAD
Company:	US ROCKIES REGION PLANNING	TVD Reference:	WELL @ 5940.00usft (Original Well Elev)
Project:	COLORADO NORTHERN ZONE - 83	MD Reference:	WELL @ 5940.00usft (Original Well Elev)
Site:	RESOLUTION 12-65-25-25-4NH PAD	North Reference:	True
Well:	RESOLUTION 12-65-25-25-3CH	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	PLAN #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,899.98	86.88	0.62	8,576.25	136.72	345.89	136.72	10.00	10.00	0.00
8,932.21	90.10	0.62	8,577.10	168.93	346.24	168.93	10.00	10.00	0.00
Start 4067.39 hold at 8932.21 MD - 7"									
8,999.98	90.10	0.62	8,576.98	236.69	346.97	236.70	0.00	0.00	0.00
9,099.98	90.10	0.62	8,576.81	336.69	348.06	336.70	0.00	0.00	0.00
9,199.98	90.10	0.62	8,576.63	436.68	349.14	436.69	0.00	0.00	0.00
9,299.98	90.10	0.62	8,576.46	536.68	350.23	536.68	0.00	0.00	0.00
9,399.98	90.10	0.62	8,576.28	636.67	351.32	636.68	0.00	0.00	0.00
9,499.98	90.10	0.62	8,576.11	736.66	352.40	736.67	0.00	0.00	0.00
9,599.98	90.10	0.62	8,575.93	836.66	353.49	836.66	0.00	0.00	0.00
9,699.98	90.10	0.62	8,575.76	936.65	354.58	936.66	0.00	0.00	0.00
9,799.98	90.10	0.62	8,575.58	1,036.64	355.66	1,036.65	0.00	0.00	0.00
9,899.98	90.10	0.62	8,575.41	1,136.64	356.75	1,136.65	0.00	0.00	0.00
9,999.98	90.10	0.62	8,575.24	1,236.63	357.83	1,236.64	0.00	0.00	0.00
10,099.98	90.10	0.62	8,575.06	1,336.63	358.92	1,336.63	0.00	0.00	0.00
10,199.98	90.10	0.62	8,574.89	1,436.62	360.01	1,436.63	0.00	0.00	0.00
10,299.98	90.10	0.62	8,574.71	1,536.61	361.09	1,536.62	0.00	0.00	0.00
10,399.98	90.10	0.62	8,574.54	1,636.61	362.18	1,636.61	0.00	0.00	0.00
10,499.98	90.10	0.62	8,574.36	1,736.60	363.27	1,736.61	0.00	0.00	0.00
10,599.98	90.10	0.62	8,574.19	1,836.59	364.35	1,836.60	0.00	0.00	0.00
10,699.98	90.10	0.62	8,574.01	1,936.59	365.44	1,936.60	0.00	0.00	0.00
10,799.98	90.10	0.62	8,573.84	2,036.58	366.53	2,036.59	0.00	0.00	0.00
10,899.98	90.10	0.62	8,573.66	2,136.58	367.61	2,136.58	0.00	0.00	0.00
10,999.98	90.10	0.62	8,573.49	2,236.57	368.70	2,236.58	0.00	0.00	0.00
11,099.98	90.10	0.62	8,573.32	2,336.56	369.78	2,336.57	0.00	0.00	0.00
11,199.98	90.10	0.62	8,573.14	2,436.56	370.87	2,436.56	0.00	0.00	0.00
11,299.98	90.10	0.62	8,572.97	2,536.55	371.96	2,536.56	0.00	0.00	0.00
11,399.98	90.10	0.62	8,572.79	2,636.54	373.04	2,636.55	0.00	0.00	0.00
11,499.98	90.10	0.62	8,572.62	2,736.54	374.13	2,736.55	0.00	0.00	0.00
11,599.98	90.10	0.62	8,572.44	2,836.53	375.22	2,836.54	0.00	0.00	0.00
11,699.98	90.10	0.62	8,572.27	2,936.53	376.30	2,936.53	0.00	0.00	0.00
11,799.98	90.10	0.62	8,572.09	3,036.52	377.39	3,036.53	0.00	0.00	0.00
11,899.98	90.10	0.62	8,571.92	3,136.51	378.48	3,136.52	0.00	0.00	0.00
11,999.98	90.10	0.62	8,571.74	3,236.51	379.56	3,236.51	0.00	0.00	0.00
12,099.98	90.10	0.62	8,571.57	3,336.50	380.65	3,336.51	0.00	0.00	0.00
12,199.98	90.10	0.62	8,571.40	3,436.49	381.73	3,436.50	0.00	0.00	0.00
12,299.98	90.10	0.62	8,571.22	3,536.49	382.82	3,536.50	0.00	0.00	0.00
12,399.98	90.10	0.62	8,571.05	3,636.48	383.91	3,636.49	0.00	0.00	0.00
12,499.98	90.10	0.62	8,570.87	3,736.48	384.99	3,736.48	0.00	0.00	0.00
12,599.98	90.10	0.62	8,570.70	3,836.47	386.08	3,836.48	0.00	0.00	0.00
12,699.97	90.10	0.62	8,570.52	3,936.46	387.17	3,936.47	0.00	0.00	0.00
12,799.97	90.10	0.62	8,570.35	4,036.46	388.25	4,036.46	0.00	0.00	0.00
12,899.97	90.10	0.62	8,570.17	4,136.45	389.34	4,136.46	0.00	0.00	0.00
12,999.60	90.10	0.62	8,570.00	4,236.07	390.42	4,236.08	0.00	0.00	0.00
TD at 12999.60									

Anadarko

Planning Report

Database:	PLANNING	Local Co-ordinate Reference:	Site RESOLUTION 12-65-25-25-4NH PAD
Company:	US ROCKIES REGION PLANNING	TVD Reference:	WELL @ 5940.00usft (Original Well Elev)
Project:	COLORADO NORTHERN ZONE - 83	MD Reference:	WELL @ 5940.00usft (Original Well Elev)
Site:	RESOLUTION 12-65-25-25-4NH PAD	North Reference:	True
Well:	RESOLUTION 12-65-25-25-3CH	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	PLAN #1		

Design Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
- Shape									
RESOLUTION 12-65-25	0.00	0.00	8,570.00	4,236.07	390.42	1,602,545.66	3,245,514.70	40.983966	-104.610797
- plan hits target center									
- Point									

Casing Points					
Measured Depth	Vertical Depth	Name		Casing Diameter	Hole Diameter
(usft)	(usft)			(")	(")
2,210.78	2,200.00	9 5/8"		9-5/8	12-1/4
8,932.21	8,577.10	7"		7	7-1/2

Formations						
Measured Depth	Vertical Depth	Name		Lithology	Dip	Dip Direction
(usft)	(usft)				(°)	(°)
2,059.80	2,050.00	Aquifer (Fox Hills)				
8,371.77	8,325.00	Niobrara				
8,882.14	8,575.00	Codell				

Plan Annotations					
Measured Depth	Vertical Depth	Local Coordinates		Comment	
(usft)	(usft)	+N/-S (usft)	+E/-W (usft)		
250.00	250.00	-0.01	59.93	Start Build 1.50	
683.95	683.02	-20.26	73.93	Start 3909.17 hold at 683.95 MD	
4,593.12	4,566.99	-384.75	325.99	Start Drop -1.50	
5,027.07	5,000.00	-405.00	340.00	Start 3004.14 hold at 5027.07 MD	
8,031.21	8,004.14	-405.00	340.00	Start Build 10.00	
8,932.21	8,577.10	168.92	346.24	Start 4067.39 hold at 8932.21 MD	
12,999.60	8,570.00	4,236.07	390.42	TD at 12999.60	