

Project: COLORADO NORTHERN ZONE - R3
 Site: WELD_DACANO 6-2-9F PAD
 Well: DACONO 6-2
 Wellbore: OH
 Section: SECTION 2 T1N R68W
 SHL:
 Design: DACONO 6-2(wp01)
 Latitude: 40° 4' 55.034 N
 Longitude: 104° 58' 23.819 W
 GL: 5016.00
 KB: GL 5016' & KB 15 @ 5031.00ft (ASSUMED)

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
4116.00	4122.74	PARKMAN
4536.00	4542.74	SUSSEX
7450.00	7456.74	NIOBRARA
7739.00	7745.74	CODELL
7814.00	7820.74	GREENHORN
8181.00	8187.74	J-SAND



Azimuths to Grid North
 True North: -0.34°
 Magnetic North: 8.64°
 Magnetic Field
 Strength: 52965.4snT
 Dip Angle: 66.77°
 Date: 03/17/2011
 Model: IGRF2010

WELL DETAILS: DACONO 6-2

+N/-S	+E/-W	Northing	Easting	Ground Level: 5016.00	Latitude	Longitude	Slot
0.00	0.00	1273138.37	3147383.46		40° 4' 55.034 N	104° 58' 23.819 W	

CASING DETAILS

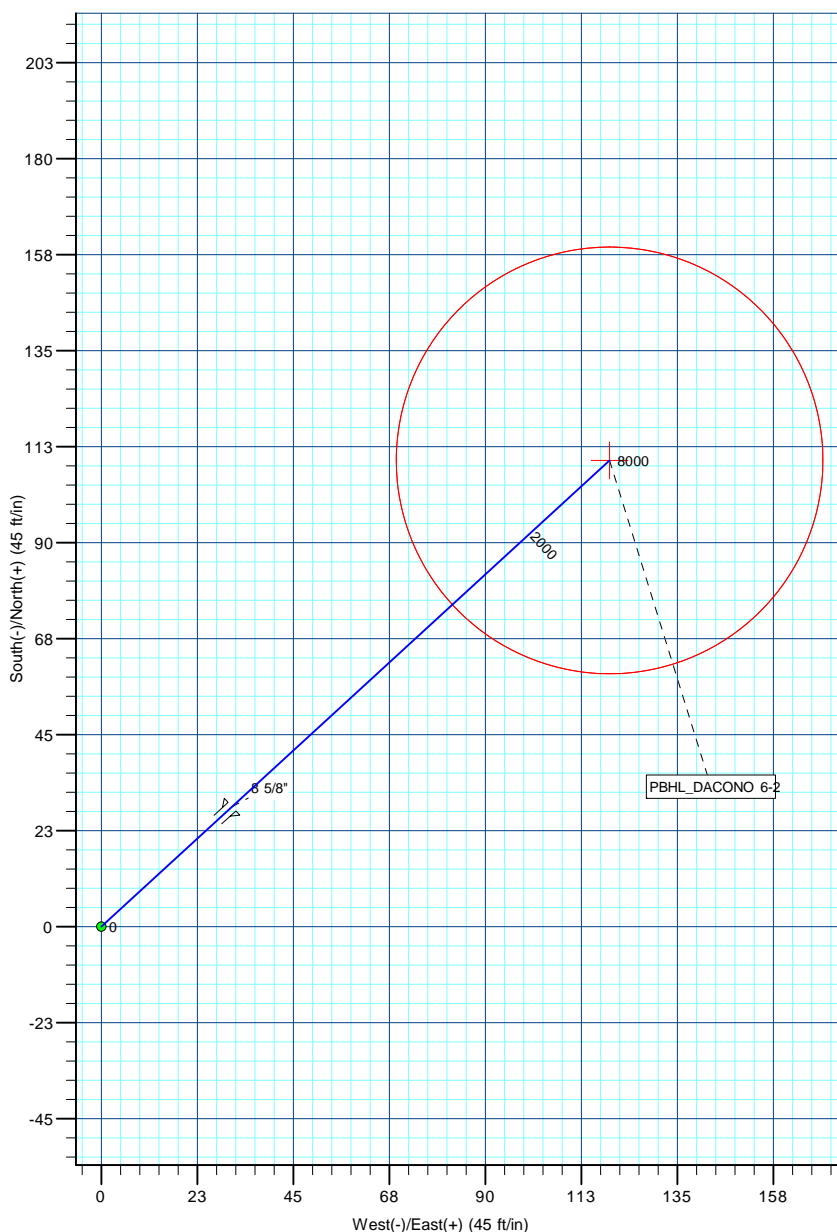
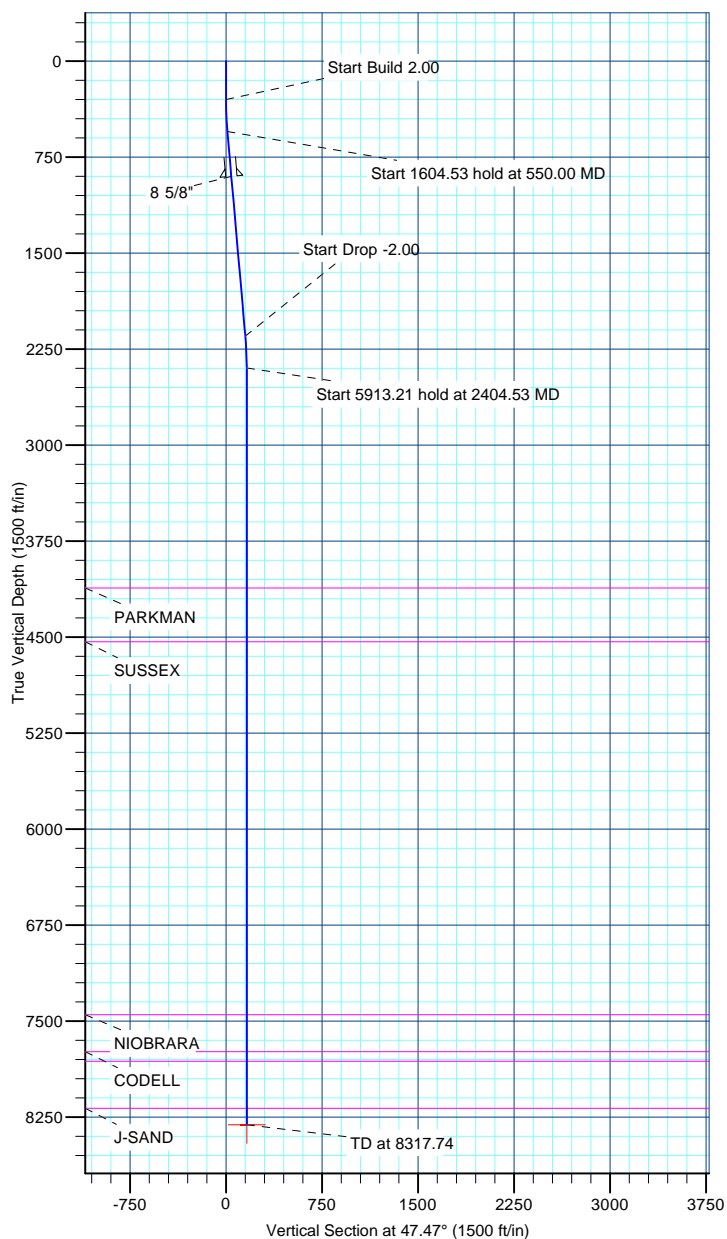
TVD	MD	Name	Size
900.00	901.66	8 5/8"	8.625

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
PBHL_DACONO 6-2	8311.00	109.28	119.11	1273247.65	3147502.58	40° 4' 56.107 N	104° 58' 22.278 W	Circle (Radius: 50.00)

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00
550.00	5.00	47.47	549.68	7.37	8.03	2.00	47.47	10.90
2154.53	5.00	47.47	2148.11	101.91	111.08	0.00	0.00	150.75
2404.53	0.00	0.00	2397.79	109.28	119.11	2.00	180.00	161.65
8317.74	0.00	0.00	8311.00	109.28	119.11	0.00	0.00	161.65



US ROCKIES REGION PLANNING

COLORADO NORTHERN ZONE - 83

WELD_DACANO 6-2-9F PAD

DACONO 6-2

OH

Plan: DACONO 6-2(wp01)

Standard Planning Report

17 March, 2011

Database:	EDM5000-RobertS-Local	Local Co-ordinate Reference:	Well DACONO 6-2
Company:	US ROCKIES REGION PLANNING	TVD Reference:	GL 5016' & KB 15 @ 5031.00ft (ASSUMED)
Project:	COLORADO NORTHERN ZONE - 83	MD Reference:	GL 5016' & KB 15 @ 5031.00ft (ASSUMED)
Site:	WELD_DACANO 6-2-9F PAD	North Reference:	Grid
Well:	DACONO 6-2	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	DACONO 6-2(wp01)		

Project	COLORADO NORTHERN ZONE - 83, KERR MCGEE OIL & GAS ONSHORE LP		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Northern Zone		

Site	WELD_DACANO 6-2-9F PAD, SECTION 2 T1N R68W			
Site Position:		Northing:	1,273,198.12 usft	Latitude: 40° 4' 55.625 N
From:	Lat/Long	Easting:	3,147,383.39 usft	Longitude: 104° 58' 23.815 W
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in	Grid Convergence: 0.34 °

Well	DACONO 6-2			
Well Position	+N/-S	-59.75 ft	Northing:	1,273,138.37 usft
	+E/-W	0.08 ft	Easting:	3,147,383.47 usft
Position Uncertainty		0.00 ft	Wellhead Elevation:	Latitude: 40° 4' 55.034 N
				Longitude: 104° 58' 23.819 W
				Ground Level: 5,016.00 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	03/17/2011	8.98	66.77	52,965

Design	DACONO 6-2(wp01)			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	47.47

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
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
550.00	5.00	47.47	549.68	7.37	8.03	2.00	2.00	0.00	47.47	
2,154.53	5.00	47.47	2,148.11	101.91	111.08	0.00	0.00	0.00	0.00	
2,404.53	0.00	0.00	2,397.79	109.28	119.11	2.00	-2.00	0.00	180.00	
8,317.74	0.00	0.00	8,311.00	109.28	119.11	0.00	0.00	0.00	0.00	PBHL_DACONO 6-2

Database:	EDM5000-RobertS-Local	Local Co-ordinate Reference:	Well DACONO 6-2
Company:	US ROCKIES REGION PLANNING	TVD Reference:	GL 5016' & KB 15 @ 5031.00ft (ASSUMED)
Project:	COLORADO NORTHERN ZONE - 83	MD Reference:	GL 5016' & KB 15 @ 5031.00ft (ASSUMED)
Site:	WELD_DACANO 6-2-9F PAD	North Reference:	Grid
Well:	DACONO 6-2	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	DACONO 6-2(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)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 2.00									
400.00	2.00	47.47	399.98	1.18	1.29	1.75	2.00	2.00	0.00
500.00	4.00	47.47	499.84	4.72	5.14	6.98	2.00	2.00	0.00
550.00	5.00	47.47	549.68	7.37	8.03	10.90	2.00	2.00	0.00
Start 1604.53 hold at 550.00 MD									
600.00	5.00	47.47	599.49	10.32	11.24	15.26	0.00	0.00	0.00
700.00	5.00	47.47	699.11	16.21	17.67	23.97	0.00	0.00	0.00
800.00	5.00	47.47	798.73	22.10	24.09	32.69	0.00	0.00	0.00
900.00	5.00	47.47	898.35	27.99	30.51	41.41	0.00	0.00	0.00
901.66	5.00	47.47	900.00	28.09	30.62	41.55	0.00	0.00	0.00
8 5/8"									
1,000.00	5.00	47.47	997.97	33.88	36.93	50.12	0.00	0.00	0.00
1,100.00	5.00	47.47	1,097.59	39.78	43.36	58.84	0.00	0.00	0.00
1,200.00	5.00	47.47	1,197.21	45.67	49.78	67.55	0.00	0.00	0.00
1,300.00	5.00	47.47	1,296.83	51.56	56.20	76.27	0.00	0.00	0.00
1,400.00	5.00	47.47	1,396.45	57.45	62.62	84.98	0.00	0.00	0.00
1,500.00	5.00	47.47	1,496.07	63.34	69.05	93.70	0.00	0.00	0.00
1,600.00	5.00	47.47	1,595.69	69.23	75.47	102.41	0.00	0.00	0.00
1,700.00	5.00	47.47	1,695.31	75.13	81.89	111.13	0.00	0.00	0.00
1,800.00	5.00	47.47	1,794.93	81.02	88.31	119.85	0.00	0.00	0.00
1,900.00	5.00	47.47	1,894.55	86.91	94.73	128.56	0.00	0.00	0.00
2,000.00	5.00	47.47	1,994.17	92.80	101.16	137.28	0.00	0.00	0.00
2,100.00	5.00	47.47	2,093.78	98.69	107.58	145.99	0.00	0.00	0.00
2,154.53	5.00	47.47	2,148.11	101.91	111.08	150.75	0.00	0.00	0.00
Start Drop -2.00									
2,200.00	4.09	47.47	2,193.43	104.34	113.74	154.35	2.00	-2.00	0.00
2,300.00	2.09	47.47	2,293.28	107.99	117.71	159.74	2.00	-2.00	0.00
2,400.00	0.09	47.47	2,393.26	109.27	119.11	161.64	2.00	-2.00	0.00
2,404.53	0.00	0.00	2,397.79	109.28	119.11	161.65	2.00	-2.00	0.00
Start 5913.21 hold at 2404.53 MD									
2,500.00	0.00	0.00	2,493.26	109.28	119.11	161.65	0.00	0.00	0.00
2,600.00	0.00	0.00	2,593.26	109.28	119.11	161.65	0.00	0.00	0.00
2,700.00	0.00	0.00	2,693.26	109.28	119.11	161.65	0.00	0.00	0.00
2,800.00	0.00	0.00	2,793.26	109.28	119.11	161.65	0.00	0.00	0.00
2,900.00	0.00	0.00	2,893.26	109.28	119.11	161.65	0.00	0.00	0.00
3,000.00	0.00	0.00	2,993.26	109.28	119.11	161.65	0.00	0.00	0.00
3,100.00	0.00	0.00	3,093.26	109.28	119.11	161.65	0.00	0.00	0.00
3,200.00	0.00	0.00	3,193.26	109.28	119.11	161.65	0.00	0.00	0.00
3,300.00	0.00	0.00	3,293.26	109.28	119.11	161.65	0.00	0.00	0.00
3,400.00	0.00	0.00	3,393.26	109.28	119.11	161.65	0.00	0.00	0.00
3,500.00	0.00	0.00	3,493.26	109.28	119.11	161.65	0.00	0.00	0.00
3,600.00	0.00	0.00	3,593.26	109.28	119.11	161.65	0.00	0.00	0.00
3,700.00	0.00	0.00	3,693.26	109.28	119.11	161.65	0.00	0.00	0.00
3,800.00	0.00	0.00	3,793.26	109.28	119.11	161.65	0.00	0.00	0.00
3,900.00	0.00	0.00	3,893.26	109.28	119.11	161.65	0.00	0.00	0.00
4,000.00	0.00	0.00	3,993.26	109.28	119.11	161.65	0.00	0.00	0.00
4,100.00	0.00	0.00	4,093.26	109.28	119.11	161.65	0.00	0.00	0.00
4,122.74	0.00	0.00	4,116.00	109.28	119.11	161.65	0.00	0.00	0.00
PARKMAN									

Database:	EDM5000-RobertS-Local	Local Co-ordinate Reference:	Well DACONO 6-2
Company:	US ROCKIES REGION PLANNING	TVD Reference:	GL 5016' & KB 15 @ 5031.00ft (ASSUMED)
Project:	COLORADO NORTHERN ZONE - 83	MD Reference:	GL 5016' & KB 15 @ 5031.00ft (ASSUMED)
Site:	WELD_DACANO 6-2-9F PAD	North Reference:	Grid
Well:	DACONO 6-2	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	DACONO 6-2(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)
4,200.00	0.00	0.00	4,193.26	109.28	119.11	161.65	0.00	0.00	0.00
4,300.00	0.00	0.00	4,293.26	109.28	119.11	161.65	0.00	0.00	0.00
4,400.00	0.00	0.00	4,393.26	109.28	119.11	161.65	0.00	0.00	0.00
4,500.00	0.00	0.00	4,493.26	109.28	119.11	161.65	0.00	0.00	0.00
4,542.74	0.00	0.00	4,536.00	109.28	119.11	161.65	0.00	0.00	0.00
SUSSEX									
4,600.00	0.00	0.00	4,593.26	109.28	119.11	161.65	0.00	0.00	0.00
4,700.00	0.00	0.00	4,693.26	109.28	119.11	161.65	0.00	0.00	0.00
4,800.00	0.00	0.00	4,793.26	109.28	119.11	161.65	0.00	0.00	0.00
4,900.00	0.00	0.00	4,893.26	109.28	119.11	161.65	0.00	0.00	0.00
5,000.00	0.00	0.00	4,993.26	109.28	119.11	161.65	0.00	0.00	0.00
5,100.00	0.00	0.00	5,093.26	109.28	119.11	161.65	0.00	0.00	0.00
5,200.00	0.00	0.00	5,193.26	109.28	119.11	161.65	0.00	0.00	0.00
5,300.00	0.00	0.00	5,293.26	109.28	119.11	161.65	0.00	0.00	0.00
5,400.00	0.00	0.00	5,393.26	109.28	119.11	161.65	0.00	0.00	0.00
5,500.00	0.00	0.00	5,493.26	109.28	119.11	161.65	0.00	0.00	0.00
5,600.00	0.00	0.00	5,593.26	109.28	119.11	161.65	0.00	0.00	0.00
5,700.00	0.00	0.00	5,693.26	109.28	119.11	161.65	0.00	0.00	0.00
5,800.00	0.00	0.00	5,793.26	109.28	119.11	161.65	0.00	0.00	0.00
5,900.00	0.00	0.00	5,893.26	109.28	119.11	161.65	0.00	0.00	0.00
6,000.00	0.00	0.00	5,993.26	109.28	119.11	161.65	0.00	0.00	0.00
6,100.00	0.00	0.00	6,093.26	109.28	119.11	161.65	0.00	0.00	0.00
6,200.00	0.00	0.00	6,193.26	109.28	119.11	161.65	0.00	0.00	0.00
6,300.00	0.00	0.00	6,293.26	109.28	119.11	161.65	0.00	0.00	0.00
6,400.00	0.00	0.00	6,393.26	109.28	119.11	161.65	0.00	0.00	0.00
6,500.00	0.00	0.00	6,493.26	109.28	119.11	161.65	0.00	0.00	0.00
6,600.00	0.00	0.00	6,593.26	109.28	119.11	161.65	0.00	0.00	0.00
6,700.00	0.00	0.00	6,693.26	109.28	119.11	161.65	0.00	0.00	0.00
6,800.00	0.00	0.00	6,793.26	109.28	119.11	161.65	0.00	0.00	0.00
6,900.00	0.00	0.00	6,893.26	109.28	119.11	161.65	0.00	0.00	0.00
7,000.00	0.00	0.00	6,993.26	109.28	119.11	161.65	0.00	0.00	0.00
7,100.00	0.00	0.00	7,093.26	109.28	119.11	161.65	0.00	0.00	0.00
7,200.00	0.00	0.00	7,193.26	109.28	119.11	161.65	0.00	0.00	0.00
7,300.00	0.00	0.00	7,293.26	109.28	119.11	161.65	0.00	0.00	0.00
7,400.00	0.00	0.00	7,393.26	109.28	119.11	161.65	0.00	0.00	0.00
7,456.74	0.00	0.00	7,450.00	109.28	119.11	161.65	0.00	0.00	0.00
NIOBRARA									
7,500.00	0.00	0.00	7,493.26	109.28	119.11	161.65	0.00	0.00	0.00
7,600.00	0.00	0.00	7,593.26	109.28	119.11	161.65	0.00	0.00	0.00
7,700.00	0.00	0.00	7,693.26	109.28	119.11	161.65	0.00	0.00	0.00
7,745.74	0.00	0.00	7,739.00	109.28	119.11	161.65	0.00	0.00	0.00
CODELL									
7,800.00	0.00	0.00	7,793.26	109.28	119.11	161.65	0.00	0.00	0.00
7,820.74	0.00	0.00	7,814.00	109.28	119.11	161.65	0.00	0.00	0.00
GREENHORN									
7,900.00	0.00	0.00	7,893.26	109.28	119.11	161.65	0.00	0.00	0.00
8,000.00	0.00	0.00	7,993.26	109.28	119.11	161.65	0.00	0.00	0.00
8,100.00	0.00	0.00	8,093.26	109.28	119.11	161.65	0.00	0.00	0.00
8,187.74	0.00	0.00	8,181.00	109.28	119.11	161.65	0.00	0.00	0.00
J-SAND									
8,200.00	0.00	0.00	8,193.26	109.28	119.11	161.65	0.00	0.00	0.00
8,300.00	0.00	0.00	8,293.26	109.28	119.11	161.65	0.00	0.00	0.00
8,317.74	0.00	0.00	8,311.00	109.28	119.11	161.65	0.00	0.00	0.00

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Well:	DACONO 6-2	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	DACONO 6-2(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)
TD at 8317.74 - PBHL_DACONO 6-2									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
PBHL_DACONO 6-2	0.00	0.00	8,311.00	109.28	119.11	1,273,247.64	3,147,502.58	40° 4' 56.107 N	104° 58' 22.278 W
- plan hits target center									
- Circle (radius 50.00)									

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)	
901.66	900.00	8 5/8"	8.625	11.000	

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
4,122.74	4,116.00	PARKMAN				
4,542.74	4,536.00	SUSSEX				
7,456.74	7,450.00	NIOBRARA				
7,745.74	7,739.00	CODELL				
7,820.74	7,814.00	GREENHORN				
8,187.74	8,181.00	J-SAND				

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment	
		+N/-S (ft)	+E/-W (ft)		
300.00	300.00	0.00	0.00	Start Build 2.00	
550.00	549.68	7.37	8.03	Start 1604.53 hold at 550.00 MD	
2,154.53	2,148.11	101.91	111.08	Start Drop -2.00	
2,404.53	2,397.79	109.28	119.11	Start 5913.21 hold at 2404.53 MD	
8,317.74	8,311.00	109.28	119.11	TD at 8317.74	