

Project: COLORADO NORTHERN ZONE - 83  
 Site: WELD\_DACANO 6-2-9F PAD  
 Well: DAcono 22-2  
 Wellbore: OH  
 Section: SECTION 2 T1N R68W  
 SHL:  
 Design: DAcono 22-2(wp01)  
 Latitude: 40° 4' 54.638 N  
 Longitude: 104° 58' 23.822 W  
 GL: 5016.00  
 KB: GL 5016' & KB 15' @ 5031.00ft (ASSUMED)

#### FORMATION TOP DETAILS

TVDPath	MDPath	Formation
4117.00	4140.28	PARKMAN
4537.00	4563.00	SUSSEX
7451.00	7491.21	NIOBRARA
7740.00	7780.21	CODELL
7815.00	7855.21	GREENHORN
8182.00	8222.21	J-SAND



Azimuths to Grid North  
 True North: -0.34°  
 Magnetic North: 8.64°  
 Magnetic Field  
 Strength: 52965.3snT  
 Dip Angle: 66.77°  
 Date: 03/17/2011  
 Model: IGRF2010

#### WELL DETAILS: DAcono 22-2

+N/-S	+E/-W	Northing	Ground Level: Easting	5016.00 Latitude	Longitude	Slot
0.00	0.00	1273098.30	3147383.42	40° 4' 54.638 N	104° 58' 23.822 W	

#### CASING DETAILS

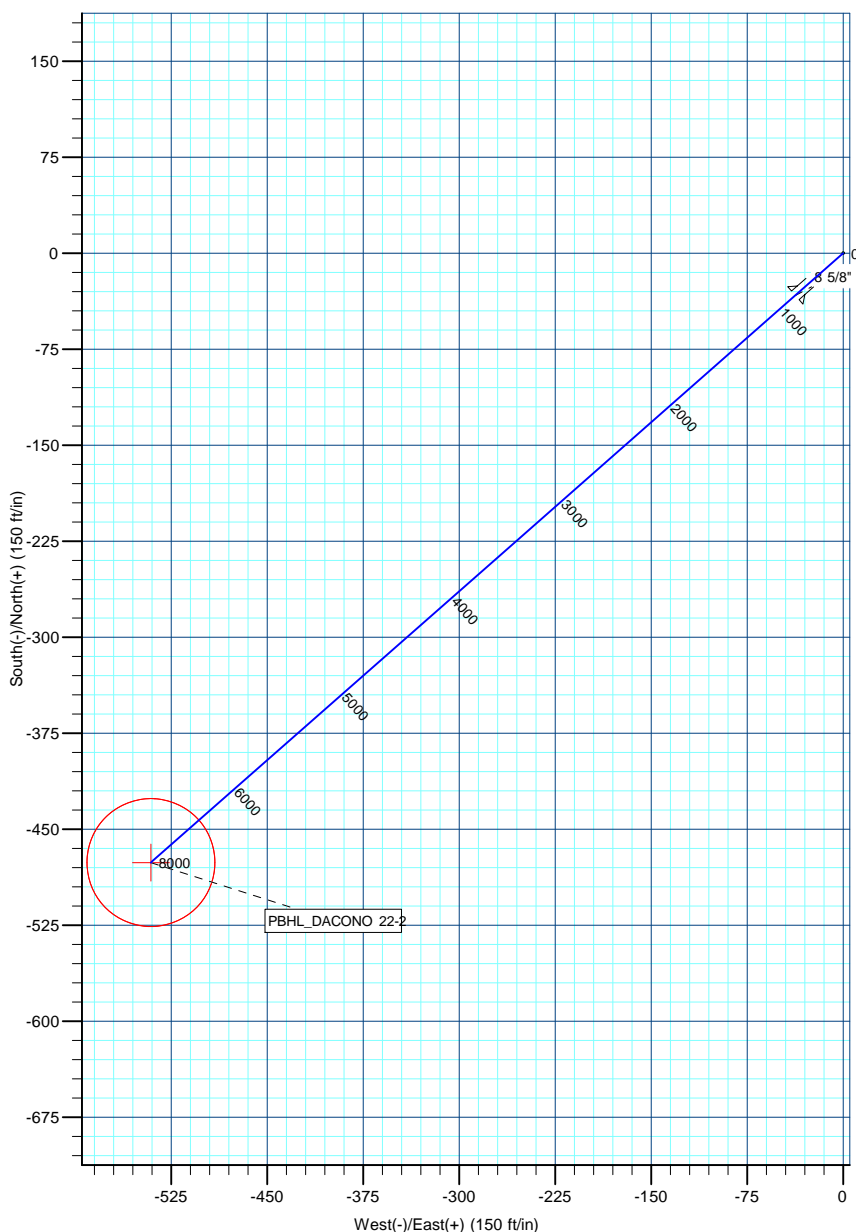
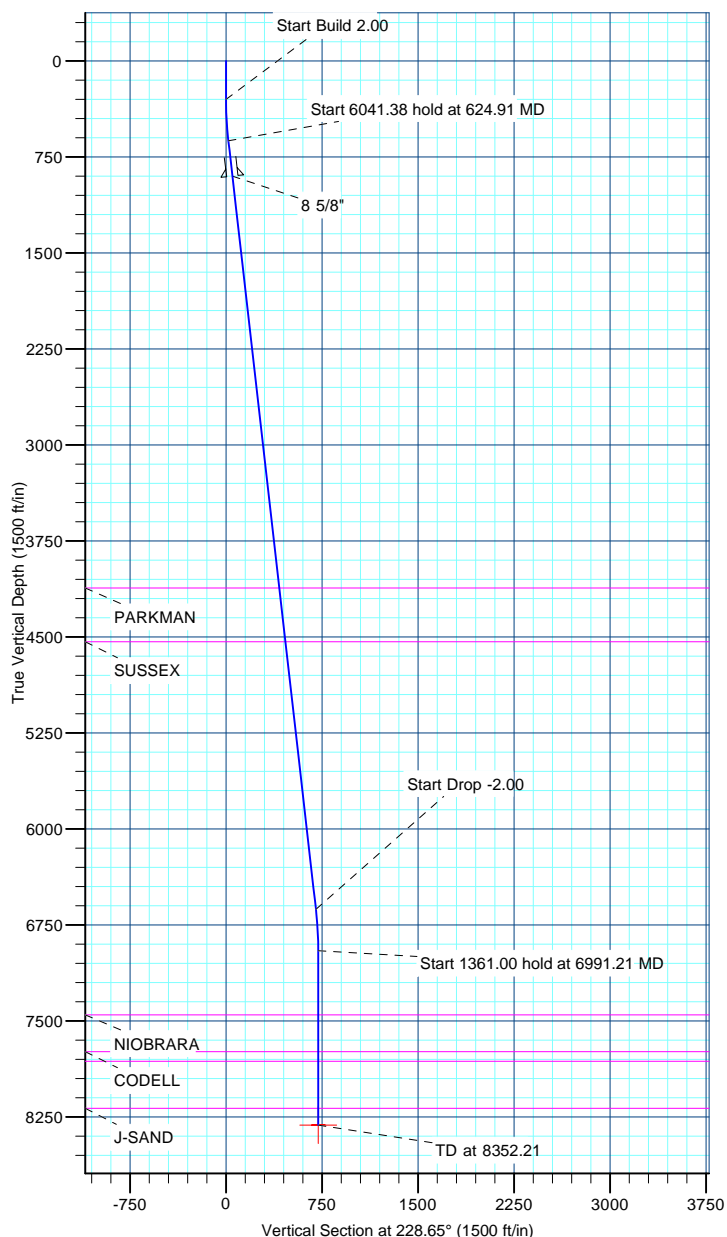
TVD	MD	Name	Size
900.00	902.48	8 5/8"	8.625

#### DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
PBHL_DACONO 22-2	8312.00	-476.04	-540.88	1272622.26	3146842.55	40° 4' 49.966 N	104° 58' 30.817 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
624.91	6.50	228.65	624.21	-12.16	-13.82	2.00	228.65	18.41
6666.30	6.50	228.65	6626.79	-463.88	-527.06	0.00	0.00	702.12
6991.21	0.00	0.00	6951.00	-476.04	-540.88	2.00	180.00	720.53
8352.21	0.00	0.00	8312.00	-476.04	-540.88	0.00	0.00	720.53



# **US ROCKIES REGION PLANNING**

**COLORADO NORTHERN ZONE - 83**

**WELD\_DACANO 6-2-9F PAD**

**DACONO 22-2**

**OH**

**Plan: DACONO 22-2(wp01)**

## **Standard Planning Report**

**17 March, 2011**

<b>Database:</b>	EDM5000-RobertS-Local	<b>Local Co-ordinate Reference:</b>	Well DACONO 22-2
<b>Company:</b>	US ROCKIES REGION PLANNING	<b>TVD Reference:</b>	GL 5016' & KB 15' @ 5031.00ft (ASSUMED)
<b>Project:</b>	COLORADO NORTHERN ZONE - 83	<b>MD Reference:</b>	GL 5016' & KB 15' @ 5031.00ft (ASSUMED)
<b>Site:</b>	WELD_DACANO 6-2-9F PAD	<b>North Reference:</b>	Grid
<b>Well:</b>	DACONO 22-2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	DACONO 22-2(wp01)		

<b>Project</b>	COLORADO NORTHERN ZONE - 83, KERR MCGEE OIL & GAS ONSHORE LP		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	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 22-2					
Well Position	+N/-S	-99.83 ft	Northing:	1,273,098.30 usft	Latitude:	40° 4' 54.638 N
	+E/-W	0.03 ft	Easting:	3,147,383.42 usft	Longitude:	104° 58' 23.822 W
Position Uncertainty		0.00 ft	Wellhead Elevation:		Ground Level:	5,016.00 ft

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

<b>Design</b>	DACONO 22-2(wp01)			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>
	0.00	0.00	0.00	228.65

<b>Plan Sections</b>										
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	
624.91	6.50	228.65	624.21	-12.16	-13.82	2.00	2.00	0.00	228.65	
6,666.30	6.50	228.65	6,626.79	-463.88	-527.06	0.00	0.00	0.00	0.00	
6,991.21	0.00	0.00	6,951.00	-476.04	-540.88	2.00	-2.00	0.00	180.00	
8,352.21	0.00	0.00	8,312.00	-476.04	-540.88	0.00	0.00	0.00	0.00	PBHL_DACONO 22-2

<b>Database:</b>	EDM5000-RobertS-Local	<b>Local Co-ordinate Reference:</b>	Well DACONO 22-2
<b>Company:</b>	US ROCKIES REGION PLANNING	<b>TVD Reference:</b>	GL 5016' & KB 15' @ 5031.00ft (ASSUMED)
<b>Project:</b>	COLORADO NORTHERN ZONE - 83	<b>MD Reference:</b>	GL 5016' & KB 15' @ 5031.00ft (ASSUMED)
<b>Site:</b>	WELD_DACANO 6-2-9F PAD	<b>North Reference:</b>	Grid
<b>Well:</b>	DACONO 22-2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	DACONO 22-2(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
<b>Start Build 2.00</b>									
400.00	2.00	228.65	399.98	-1.15	-1.31	1.75	2.00	2.00	0.00
500.00	4.00	228.65	499.84	-4.61	-5.24	6.98	2.00	2.00	0.00
600.00	6.00	228.65	599.45	-10.37	-11.78	15.69	2.00	2.00	0.00
624.91	6.50	228.65	624.21	-12.16	-13.82	18.41	2.00	2.00	0.00
<b>Start 6041.38 hold at 624.91 MD</b>									
700.00	6.50	228.65	698.82	-17.77	-20.20	26.90	0.00	0.00	0.00
800.00	6.50	228.65	798.18	-25.25	-28.69	38.22	0.00	0.00	0.00
900.00	6.50	228.65	897.54	-32.73	-37.19	49.54	0.00	0.00	0.00
902.48	6.50	228.65	900.00	-32.91	-37.40	49.82	0.00	0.00	0.00
<b>8 5/8"</b>									
1,000.00	6.50	228.65	996.89	-40.21	-45.68	60.85	0.00	0.00	0.00
1,100.00	6.50	228.65	1,096.25	-47.68	-54.18	72.17	0.00	0.00	0.00
1,200.00	6.50	228.65	1,195.61	-55.16	-62.67	83.49	0.00	0.00	0.00
1,300.00	6.50	228.65	1,294.97	-62.64	-71.17	94.81	0.00	0.00	0.00
1,400.00	6.50	228.65	1,394.32	-70.11	-79.66	106.12	0.00	0.00	0.00
1,500.00	6.50	228.65	1,493.68	-77.59	-88.16	117.44	0.00	0.00	0.00
1,600.00	6.50	228.65	1,593.04	-85.07	-96.65	128.76	0.00	0.00	0.00
1,700.00	6.50	228.65	1,692.40	-92.54	-105.15	140.08	0.00	0.00	0.00
1,800.00	6.50	228.65	1,791.75	-100.02	-113.65	151.39	0.00	0.00	0.00
1,900.00	6.50	228.65	1,891.11	-107.50	-122.14	162.71	0.00	0.00	0.00
2,000.00	6.50	228.65	1,990.47	-114.98	-130.64	174.03	0.00	0.00	0.00
2,100.00	6.50	228.65	2,089.83	-122.45	-139.13	185.34	0.00	0.00	0.00
2,200.00	6.50	228.65	2,189.18	-129.93	-147.63	196.66	0.00	0.00	0.00
2,300.00	6.50	228.65	2,288.54	-137.41	-156.12	207.98	0.00	0.00	0.00
2,400.00	6.50	228.65	2,387.90	-144.88	-164.62	219.30	0.00	0.00	0.00
2,500.00	6.50	228.65	2,487.26	-152.36	-173.11	230.61	0.00	0.00	0.00
2,600.00	6.50	228.65	2,586.61	-159.84	-181.61	241.93	0.00	0.00	0.00
2,700.00	6.50	228.65	2,685.97	-167.31	-190.11	253.25	0.00	0.00	0.00
2,800.00	6.50	228.65	2,785.33	-174.79	-198.60	264.56	0.00	0.00	0.00
2,900.00	6.50	228.65	2,884.69	-182.27	-207.10	275.88	0.00	0.00	0.00
3,000.00	6.50	228.65	2,984.04	-189.75	-215.59	287.20	0.00	0.00	0.00
3,100.00	6.50	228.65	3,083.40	-197.22	-224.09	298.52	0.00	0.00	0.00
3,200.00	6.50	228.65	3,182.76	-204.70	-232.58	309.83	0.00	0.00	0.00
3,300.00	6.50	228.65	3,282.12	-212.18	-241.08	321.15	0.00	0.00	0.00
3,400.00	6.50	228.65	3,381.48	-219.65	-249.57	332.47	0.00	0.00	0.00
3,500.00	6.50	228.65	3,480.83	-227.13	-258.07	343.79	0.00	0.00	0.00
3,600.00	6.50	228.65	3,580.19	-234.61	-266.57	355.10	0.00	0.00	0.00
3,700.00	6.50	228.65	3,679.55	-242.08	-275.06	366.42	0.00	0.00	0.00
3,800.00	6.50	228.65	3,778.91	-249.56	-283.56	377.74	0.00	0.00	0.00
3,900.00	6.50	228.65	3,878.26	-257.04	-292.05	389.05	0.00	0.00	0.00
4,000.00	6.50	228.65	3,977.62	-264.52	-300.55	400.37	0.00	0.00	0.00
4,100.00	6.50	228.65	4,076.98	-271.99	-309.04	411.69	0.00	0.00	0.00
4,140.28	6.50	228.65	4,117.00	-275.00	-312.46	416.25	0.00	0.00	0.00
<b>PARKMAN</b>									
4,200.00	6.50	228.65	4,176.34	-279.47	-317.54	423.01	0.00	0.00	0.00
4,300.00	6.50	228.65	4,275.69	-286.95	-326.03	434.32	0.00	0.00	0.00
4,400.00	6.50	228.65	4,375.05	-294.42	-334.53	445.64	0.00	0.00	0.00
4,500.00	6.50	228.65	4,474.41	-301.90	-343.02	456.96	0.00	0.00	0.00
4,563.00	6.50	228.65	4,537.00	-306.61	-348.38	464.09	0.00	0.00	0.00

<b>Database:</b>	EDM5000-RobertS-Local	<b>Local Co-ordinate Reference:</b>	Well DACONO 22-2
<b>Company:</b>	US ROCKIES REGION PLANNING	<b>TVD Reference:</b>	GL 5016' & KB 15' @ 5031.00ft (ASSUMED)
<b>Project:</b>	COLORADO NORTHERN ZONE - 83	<b>MD Reference:</b>	GL 5016' & KB 15' @ 5031.00ft (ASSUMED)
<b>Site:</b>	WELD_DACANO 6-2-9F PAD	<b>North Reference:</b>	Grid
<b>Well:</b>	DACONO 22-2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	DACONO 22-2(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)
<b>SUSSEX</b>									
4,600.00	6.50	228.65	4,573.77	-309.38	-351.52	468.27	0.00	0.00	0.00
4,700.00	6.50	228.65	4,673.12	-316.86	-360.02	479.59	0.00	0.00	0.00
4,800.00	6.50	228.65	4,772.48	-324.33	-368.51	490.91	0.00	0.00	0.00
4,900.00	6.50	228.65	4,871.84	-331.81	-377.01	502.23	0.00	0.00	0.00
5,000.00	6.50	228.65	4,971.20	-339.29	-385.50	513.54	0.00	0.00	0.00
5,100.00	6.50	228.65	5,070.55	-346.76	-394.00	524.86	0.00	0.00	0.00
5,200.00	6.50	228.65	5,169.91	-354.24	-402.49	536.18	0.00	0.00	0.00
5,300.00	6.50	228.65	5,269.27	-361.72	-410.99	547.50	0.00	0.00	0.00
5,400.00	6.50	228.65	5,368.63	-369.19	-419.48	558.81	0.00	0.00	0.00
5,500.00	6.50	228.65	5,467.98	-376.67	-427.98	570.13	0.00	0.00	0.00
5,600.00	6.50	228.65	5,567.34	-384.15	-436.48	581.45	0.00	0.00	0.00
5,700.00	6.50	228.65	5,666.70	-391.63	-444.97	592.76	0.00	0.00	0.00
5,800.00	6.50	228.65	5,766.06	-399.10	-453.47	604.08	0.00	0.00	0.00
5,900.00	6.50	228.65	5,865.41	-406.58	-461.96	615.40	0.00	0.00	0.00
6,000.00	6.50	228.65	5,964.77	-414.06	-470.46	626.72	0.00	0.00	0.00
6,100.00	6.50	228.65	6,064.13	-421.53	-478.95	638.03	0.00	0.00	0.00
6,200.00	6.50	228.65	6,163.49	-429.01	-487.45	649.35	0.00	0.00	0.00
6,300.00	6.50	228.65	6,262.84	-436.49	-495.94	660.67	0.00	0.00	0.00
6,400.00	6.50	228.65	6,362.20	-443.96	-504.44	671.98	0.00	0.00	0.00
6,500.00	6.50	228.65	6,461.56	-451.44	-512.93	683.30	0.00	0.00	0.00
6,600.00	6.50	228.65	6,560.92	-458.92	-521.43	694.62	0.00	0.00	0.00
6,666.30	6.50	228.65	6,626.79	-463.88	-527.06	702.12	0.00	0.00	0.00
<b>Start Drop -2.00</b>									
6,700.00	5.82	228.65	6,660.30	-466.27	-529.78	705.74	2.00	-2.00	0.00
6,800.00	3.82	228.65	6,759.94	-471.82	-536.09	714.15	2.00	-2.00	0.00
6,900.00	1.82	228.65	6,859.81	-475.08	-539.79	719.08	2.00	-2.00	0.00
6,991.21	0.00	0.00	6,951.00	-476.04	-540.88	720.53	2.00	-2.00	0.00
<b>Start 1361.00 hold at 6991.21 MD</b>									
7,000.00	0.00	0.00	6,959.79	-476.04	-540.88	720.53	0.00	0.00	0.00
7,100.00	0.00	0.00	7,059.79	-476.04	-540.88	720.53	0.00	0.00	0.00
7,200.00	0.00	0.00	7,159.79	-476.04	-540.88	720.53	0.00	0.00	0.00
7,300.00	0.00	0.00	7,259.79	-476.04	-540.88	720.53	0.00	0.00	0.00
7,400.00	0.00	0.00	7,359.79	-476.04	-540.88	720.53	0.00	0.00	0.00
7,491.21	0.00	0.00	7,451.00	-476.04	-540.88	720.53	0.00	0.00	0.00
<b>NIOBRARA</b>									
7,500.00	0.00	0.00	7,459.79	-476.04	-540.88	720.53	0.00	0.00	0.00
7,600.00	0.00	0.00	7,559.79	-476.04	-540.88	720.53	0.00	0.00	0.00
7,700.00	0.00	0.00	7,659.79	-476.04	-540.88	720.53	0.00	0.00	0.00
7,780.21	0.00	0.00	7,740.00	-476.04	-540.88	720.53	0.00	0.00	0.00
<b>CODELL</b>									
7,800.00	0.00	0.00	7,759.79	-476.04	-540.88	720.53	0.00	0.00	0.00
7,855.21	0.00	0.00	7,815.00	-476.04	-540.88	720.53	0.00	0.00	0.00
<b>GREENHORN</b>									
7,900.00	0.00	0.00	7,859.79	-476.04	-540.88	720.53	0.00	0.00	0.00
8,000.00	0.00	0.00	7,959.79	-476.04	-540.88	720.53	0.00	0.00	0.00
8,100.00	0.00	0.00	8,059.79	-476.04	-540.88	720.53	0.00	0.00	0.00
8,200.00	0.00	0.00	8,159.79	-476.04	-540.88	720.53	0.00	0.00	0.00
8,222.21	0.00	0.00	8,182.00	-476.04	-540.88	720.53	0.00	0.00	0.00
<b>J-SAND</b>									
8,300.00	0.00	0.00	8,259.79	-476.04	-540.88	720.53	0.00	0.00	0.00
8,352.21	0.00	0.00	8,312.00	-476.04	-540.88	720.53	0.00	0.00	0.00
<b>PBHL_DACONO 22-2</b>									

<b>Database:</b>	EDM5000-RobertS-Local	<b>Local Co-ordinate Reference:</b>	Well DACONO 22-2
<b>Company:</b>	US ROCKIES REGION PLANNING	<b>TVD Reference:</b>	GL 5016' & KB 15' @ 5031.00ft (ASSUMED)
<b>Project:</b>	COLORADO NORTHERN ZONE - 83	<b>MD Reference:</b>	GL 5016' & KB 15' @ 5031.00ft (ASSUMED)
<b>Site:</b>	WELD_DACANO 6-2-9F PAD	<b>North Reference:</b>	Grid
<b>Well:</b>	DACONO 22-2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	DACONO 22-2(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)

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 22-2	0.00	0.00	8,312.00	-476.04	-540.88	1,272,622.26	3,146,842.55	40° 4' 49.966 N	104° 58' 30.817 W
- plan hits target center									
- Circle (radius 50.00)									

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)	
902.48	900.00	8 5/8"	8.625	11.000	

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
4,140.28	4,117.00	PARKMAN				
4,563.00	4,537.00	SUSSEX				
7,491.21	7,451.00	NIOBRARA				
7,780.21	7,740.00	CODELL				
7,855.21	7,815.00	GREENHORN				
8,222.21	8,182.00	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	
624.91	624.21	-12.16	-13.82	Start 6041.38 hold at 624.91 MD	
6,666.30	6,626.79	-463.88	-527.06	Start Drop -2.00	
6,991.21	6,951.00	-476.04	-540.88	Start 1361.00 hold at 6991.21 MD	
8,352.21	8,312.00	-476.04	-540.88	TD at 8352.21	