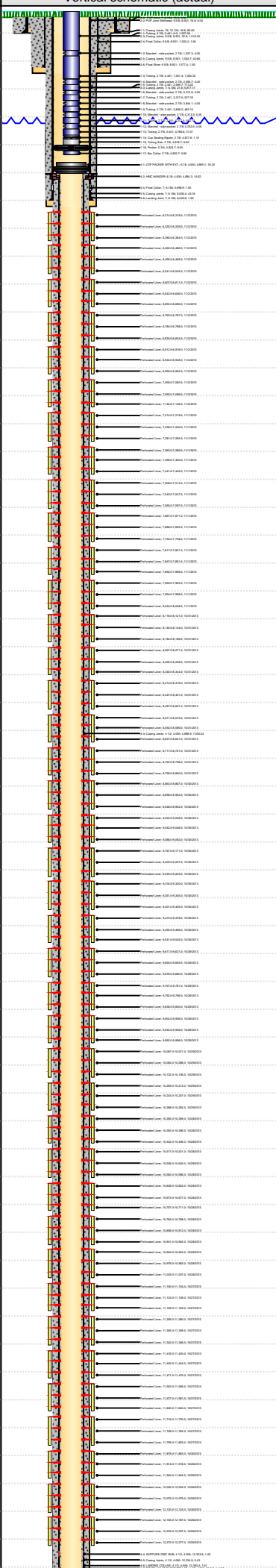


Lease Review All CR																					
Well Name: RAZOR 27K-3408B																					
API Number 051233769700			WPC ID 1CO076891			Well Permit Number			Field Name DJ Horizontal Niobrara			County Weld		State CO							
Well Configuration Type Lateral/Horizontal			Orig KB Elv (ft) 4,766.30			Ground Elevation (ft) 4,749.50			Casing Flange Elevation (ft)		Tubing Head Elevation (ft)		Total Depth (ftKB) 12,390.0								
Original Spud Date 9/7/2013		Completion Date 11/2/2013		Asset Group Redtail Asset Group			Responsible Engineer Gary Nordlander			N/S Dist (ft) 2,321.0		N/S Ref FSL		E/W Dist (ft) 2,013.0		E/W Ref FWL					
Lot		Quarter 1 NE	Quarter 2 SW	Quarter 3	Quarter 4	Section 27	Section Suffix	Section Type		Township 10	Township N/S Dir N	Range 58	Range E/W Dir W	Meridian 6TH							
Lateral/Horizontal - Original Hole, 3/3/2014 9:56:04 AM																					
Wellbore Sections																					
MD (ftKB)		TV D (ftKB)	n cl (° B)	Vertical schematic (actual)					Logs												
96.8		96.8	0.2						Wellbore Name					Start Date		Size (in)		Act Top (ftKB)		Act Btm (ftKB)	
1,577.4		1,576.8	24						Original Hole					8/4/2013		20		16.8		96.8	
3,313.0		3,310.8	24						Original Hole					9/7/2013		13 1/2		96.8		1,594.0	
4,317.3		4,314.4	12						Original Hole					9/8/2013		8 3/4		1,594.0		6,061.0	
4,824.8		4,821.6	25						Original Hole					9/11/2013		6		6,061.0		12,390.0	
Conductor Pipe, 96.8ftKB																					
OD (in)		Wt (lb/ft)		Grade		Top (ftKB)		Btm (ftKB)		Len (ft)		Item Des									
16		75.00		J-55		16.8		96.8		80.00		Casing Joints									
Surface Csg, 1,578.9ftKB																					
OD (in)		Wt (lb/ft)		Grade		Top (ftKB)		Btm (ftKB)		Len (ft)		Item Des									
9 5/8		36.00		J-55		16.8		16.8		0.00		Landing Joint									
9 5/8		36.00		J-55		16.8		22.8		6.00		PUP Joint Wellhead									
9 5/8		36.00		J-55		22.8		1,533.2		1,510.45		Casing Joints									
9 5/8		36.00		J-55		1,533.2		1,534.7		1.50		Float Collar									
9 5/8		36.00		J-55		1,534.7		1,577.4		42.66		Casing Joints									
9 5/8		36.00		J-55		1,577.4		1,578.9		1.50		Float Shoe									
Intermediate Csg, 6,045.1ftKB																					
OD (in)		Wt (lb/ft)		Grade		Top (ftKB)		Btm (ftKB)		Len (ft)		Item Des									
7		29.00		L-80		16.8		16.8		0.00		Landing Joint									
7		29.00		L-80		16.8		21.8		5.00		PUP Joint									
7		29.00		L-80		21.8		5,998.9		5,977.17		Casing Joints									
7		29.00		L-80		5,998.9		6,000.4		1.50		Float Collar									
7		29.00		L-80		6,000.4		6,043.6		43.16		Casing Joints									
7		29.00		L-80		6,043.6		6,045.1		1.50		Landing Joint									
Liner, 12,390.0ftKB																					
OD (in)		Wt (lb/ft)		Grade		Top (ftKB)		Btm (ftKB)		Len (ft)		Item Des									
6.184		32.00				4,865.1		4,884.3		19.24		ZXP PACKER WITH EXT.									
6.184		32.00				4,884.3		4,898.9		14.62		HMC HANGER									
4 1/2		11.60		SeAH-90		4,898.9		12,333.9		7,435.02		Casing Joints									
4 1/2		11.60		P110		12,333.9		12,334.9		1.00		RUPTURE DISC SUB									
4 1/2		11.60		SeAH-90		12,334.9		12,340.4		5.43		Casing Joints									
4 1/2		11.60		P110		12,340.4		12,341.4		1.01		LANDING COLLAR									
4 1/2		11.60		P110		12,341.4		12,342.4		0.98		DOUBL VALVE FLOAT COLLAR									
4 1/2		11.60		SeAH-90		12,342.4		12,387.5		45.11		Casing Joints									
4 1/2		11.60		P110		12,387.5		12,390.0		2.53		Double Valve Shoe									
Cement Stages																					
Des		Pump Start Date		Drill Out Date		Top (ftKB)		Btm (ftKB)		Top Meas Meth											
Conductor Cement		8/4/2013				16.8		96.8		Returns to Surface											
Surface Casing Cement		9/8/2013				16.8		1,578.9		Returns to Surface											
Intermediate Casing Cement		9/10/2013				16.8		6,045.1		Returns to Surface											
Liner Cement		9/17/2013				4,884.0		12,390.0		Returns to Surface											
Perforations																					
Type of Hole		Date		Top (ftKB)		Btm (ftKB)		Zone													
Perforated Liner		11/2/2013		6,314.0		6,318.0		Niobrara, Original Hole													
Perforated Liner		11/2/2013		6,335.0		6,339.0		Niobrara, Original Hole													
Perforated Liner		11/2/2013		6,380.0		6,384.0		Niobrara, Original Hole													
Perforated Liner		11/2/2013		6,462.0		6,466.0		Niobrara, Original Hole													
Perforated Liner		11/2/2013		6,495.0		6,499.0		Niobrara, Original Hole													
Perforated Liner		11/2/2013		6,541.0		6,545.0		Niobrara, Original Hole													
Perforated Liner		11/2/2013		6,607.0		6,611.0		Niobrara, Original Hole													
Perforated Liner		11/2/2013		6,642.0		6,646.0		Niobrara, Original Hole													
Perforated Liner		11/2/2013		6,692.0		6,696.0		Niobrara, Original Hole													
Perforated Liner		11/2/2013		6,763.0		6,767.0		Niobrara, Original Hole													
Perforated Liner		11/2/2013		6,784.0		6,788.0		Niobrara, Original Hole													
Perforated Liner		11/2/2013		6,830.0		6,834.0		Niobrara, Original Hole													
Perforated Liner		11/2/2013		6,912.0		6,916.0		Niobrara, Original Hole													
Perforated Liner		11/2/2013		6,944.0		6,948.0		Niobrara, Original Hole													

Lease Review All CR																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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Original Spud Date 9/7/2013		Completion Date 11/2/2013		Asset Group Redtail Asset Group			Responsible Engineer Gary Nordlander			N/S Dist (ft) 2,321.0		N/S Ref FSL		E/W Dist (ft) 2,013.0		E/W Ref FWL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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<table><tr><th colspan="2">MD (ftKB)</th><th colspan="2">TV D (ftKB)</th><th colspan="2">n cl (°)</th><th colspan="2">Type of Hole</th><th colspan="2">Date</th><th colspan="2">Top (ftKB)</th><th colspan="2">Btm (ftKB)</th><th colspan="2">Zone</th></tr><tr><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">11/2/2013</td><td colspan="2">6,990.0</td><td colspan="2">6,994.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">11/2/2013</td><td colspan="2">7,056.0</td><td colspan="2">7,060.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">11/2/2013</td><td colspan="2">7,092.0</td><td colspan="2">7,096.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">11/2/2013</td><td colspan="2">7,142.0</td><td colspan="2">7,146.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">11/1/2013</td><td colspan="2">7,214.0</td><td colspan="2">7,218.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">11/1/2013</td><td colspan="2">7,236.0</td><td colspan="2">7,240.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">11/1/2013</td><td colspan="2">7,281.0</td><td colspan="2">7,285.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">11/1/2013</td><td colspan="2">7,362.0</td><td colspan="2">7,366.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">11/1/2013</td><td colspan="2">7,396.0</td><td colspan="2">7,400.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">11/1/2013</td><td colspan="2">7,441.0</td><td colspan="2">7,445.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">11/1/2013</td><td colspan="2">7,508.0</td><td colspan="2">7,512.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">11/1/2013</td><td colspan="2">7,543.0</td><td colspan="2">7,547.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">11/1/2013</td><td colspan="2">7,593.0</td><td colspan="2">7,597.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">11/1/2013</td><td colspan="2">7,667.0</td><td colspan="2">7,671.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">11/1/2013</td><td colspan="2">7,688.0</td><td colspan="2">7,692.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">11/1/2013</td><td colspan="2">7,734.0</td><td colspan="2">7,738.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">11/1/2013</td><td colspan="2">7,817.0</td><td colspan="2">7,821.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">11/1/2013</td><td colspan="2">7,847.0</td><td colspan="2">7,851.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">11/1/2013</td><td colspan="2">7,892.0</td><td colspan="2">7,896.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">11/1/2013</td><td colspan="2">7,959.0</td><td colspan="2">7,963.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">11/1/2013</td><td colspan="2">7,994.0</td><td colspan="2">7,998.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">11/1/2013</td><td colspan="2">8,044.0</td><td colspan="2">8,048.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/31/2013</td><td colspan="2">8,118.0</td><td colspan="2">8,121.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/31/2013</td><td colspan="2">8,140.0</td><td colspan="2">8,144.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/31/2013</td><td colspan="2">8,184.0</td><td colspan="2">8,188.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/31/2013</td><td colspan="2">8,267.0</td><td colspan="2">8,271.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/31/2013</td><td colspan="2">8,295.0</td><td colspan="2">8,299.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/31/2013</td><td colspan="2">8,340.0</td><td colspan="2">8,344.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/31/2013</td><td colspan="2">8,412.0</td><td colspan="2">8,416.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/31/2013</td><td colspan="2">8,447.0</td><td colspan="2">8,451.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/31/2013</td><td colspan="2">8,497.0</td><td colspan="2">8,501.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/31/2013</td><td colspan="2">8,571.0</td><td colspan="2">8,575.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/31/2013</td><td colspan="2">8,592.0</td><td colspan="2">8,596.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/31/2013</td><td colspan="2">8,637.0</td><td colspan="2">8,641.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/31/2013</td><td colspan="2">8,717.0</td><td colspan="2">8,721.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/31/2013</td><td colspan="2">8,752.0</td><td colspan="2">8,756.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/31/2013</td><td colspan="2">8,796.0</td><td colspan="2">8,800.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/30/2013</td><td colspan="2">8,863.0</td><td colspan="2">8,867.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/30/2013</td><td colspan="2">8,898.0</td><td colspan="2">8,902.0</td><td colspan="2">Niobrara, Original Hole</td></tr></table>															MD (ftKB)		TV D (ftKB)		n cl (°)		Type of Hole		Date		Top (ftKB)		Btm (ftKB)		Zone								Perforated Liner		11/2/2013		6,990.0		6,994.0		Niobrara, Original Hole								Perforated Liner		11/2/2013		7,056.0		7,060.0		Niobrara, Original Hole								Perforated Liner		11/2/2013		7,092.0		7,096.0		Niobrara, Original Hole								Perforated Liner		11/2/2013		7,142.0		7,146.0		Niobrara, Original Hole								Perforated Liner		11/1/2013		7,214.0		7,218.0		Niobrara, Original Hole								Perforated Liner		11/1/2013		7,236.0		7,240.0		Niobrara, Original Hole								Perforated Liner		11/1/2013		7,281.0		7,285.0		Niobrara, Original Hole								Perforated Liner		11/1/2013		7,362.0		7,366.0		Niobrara, Original Hole								Perforated Liner		11/1/2013		7,396.0		7,400.0		Niobrara, Original Hole								Perforated Liner		11/1/2013		7,441.0		7,445.0		Niobrara, Original Hole								Perforated Liner		11/1/2013		7,508.0		7,512.0		Niobrara, Original Hole								Perforated Liner		11/1/2013		7,543.0		7,547.0		Niobrara, Original Hole								Perforated Liner		11/1/2013		7,593.0		7,597.0		Niobrara, Original Hole								Perforated Liner		11/1/2013		7,667.0		7,671.0		Niobrara, Original Hole								Perforated Liner		11/1/2013		7,688.0		7,692.0		Niobrara, Original Hole								Perforated Liner		11/1/2013		7,734.0		7,738.0		Niobrara, Original Hole								Perforated Liner		11/1/2013		7,817.0		7,821.0		Niobrara, Original Hole								Perforated Liner		11/1/2013		7,847.0		7,851.0		Niobrara, Original Hole								Perforated Liner		11/1/2013		7,892.0		7,896.0		Niobrara, Original Hole								Perforated Liner		11/1/2013		7,959.0		7,963.0		Niobrara, Original Hole								Perforated Liner		11/1/2013		7,994.0		7,998.0		Niobrara, Original Hole								Perforated Liner		11/1/2013		8,044.0		8,048.0		Niobrara, Original Hole								Perforated Liner		10/31/2013		8,118.0		8,121.0		Niobrara, Original Hole								Perforated Liner		10/31/2013		8,140.0		8,144.0		Niobrara, Original Hole								Perforated Liner		10/31/2013		8,184.0		8,188.0		Niobrara, Original Hole								Perforated Liner		10/31/2013		8,267.0		8,271.0		Niobrara, Original Hole								Perforated Liner		10/31/2013		8,295.0		8,299.0		Niobrara, Original Hole								Perforated Liner		10/31/2013		8,340.0		8,344.0		Niobrara, Original Hole								Perforated Liner		10/31/2013		8,412.0		8,416.0		Niobrara, Original Hole								Perforated Liner		10/31/2013		8,447.0		8,451.0		Niobrara, Original Hole								Perforated Liner		10/31/2013		8,497.0		8,501.0		Niobrara, Original Hole								Perforated Liner		10/31/2013		8,571.0		8,575.0		Niobrara, Original Hole								Perforated Liner		10/31/2013		8,592.0		8,596.0		Niobrara, Original Hole								Perforated Liner		10/31/2013		8,637.0		8,641.0		Niobrara, Original Hole								Perforated Liner		10/31/2013		8,717.0		8,721.0		Niobrara, Original Hole								Perforated Liner		10/31/2013		8,752.0		8,756.0		Niobrara, Original Hole								Perforated Liner		10/31/2013		8,796.0		8,800.0		Niobrara, Original Hole								Perforated Liner		10/30/2013		8,863.0		8,867.0		Niobrara, Original Hole								Perforated Liner		10/30/2013		8,898.0		8,902.0		Niobrara, Original Hole	
MD (ftKB)		TV D (ftKB)		n cl (°)		Type of Hole		Date		Top (ftKB)		Btm (ftKB)		Zone																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/30/2013</td><td colspan="2">9,042.0</td><td colspan="2">9,046.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2">3,313.0</td><td colspan="2">3,310.8</td><td colspan="2">2.8</td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/30/2013</td><td colspan="2">9,088.0</td><td colspan="2">9,092.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2">4,317.3</td><td colspan="2">4,314.4</td><td colspan="2">1.5</td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/30/2013</td><td colspan="2">9,167.0</td><td colspan="2">9,171.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2">4,824.8</td><td colspan="2">4,821.6</td><td colspan="2">2.5</td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/30/2013</td><td colspan="2">9,203.0</td><td colspan="2">9,207.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2">4,884.2</td><td colspan="2">4,881.0</td><td colspan="2">2.5</td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/30/2013</td><td colspan="2">9,249.0</td><td colspan="2">9,253.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2">6,044.9</td><td colspan="2">5,707.5</td><td colspan="2">87.0</td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/30/2013</td><td colspan="2">9,316.0</td><td colspan="2">9,320.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2">6,338.9</td><td colspan="2">5,707.4</td><td colspan="2">90.7</td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/30/2013</td><td colspan="2">9,351.0</td><td colspan="2">9,355.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2">6,495.1</td><td colspan="2">5,706.3</td><td colspan="2">90.9</td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/30/2013</td><td colspan="2">9,401.0</td><td colspan="2">9,405.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2">6,610.9</td><td colspan="2">5,706.6</td><td colspan="2">98.3</td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/30/2013</td><td colspan="2">9,474.0</td><td colspan="2">9,478.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2">6,763.1</td><td colspan="2">5,706.8</td><td colspan="2">98.7</td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/30/2013</td><td colspan="2">9,492.0</td><td colspan="2">9,496.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2">6,834.0</td><td colspan="2">5,706.9</td><td colspan="2">98.9</td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/30/2013</td><td colspan="2">9,541.0</td><td colspan="2">9,545.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2">6,990.2</td><td colspan="2">5,707.1</td><td colspan="2">98.0</td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/30/2013</td><td colspan="2">9,617.0</td><td colspan="2">9,621.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2">7,096.1</td><td colspan="2">5,707.0</td><td colspan="2">90.4</td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/30/2013</td><td colspan="2">9,655.0</td><td colspan="2">9,659.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2">7,235.9</td><td colspan="2">5,703.4</td><td colspan="2">90.1</td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/30/2013</td><td colspan="2">9,676.0</td><td colspan="2">9,680.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2">7,366.1</td><td colspan="2">5,699.7</td><td colspan="2">91.1</td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/30/2013</td><td colspan="2">9,757.0</td><td colspan="2">9,761.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2">7,507.9</td><td colspan="2">5,699.4</td><td colspan="2">90.8</td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/30/2013</td><td colspan="2">9,792.0</td><td colspan="2">9,796.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2">7,597.1</td><td colspan="2">5,699.8</td><td colspan="2">98.7</td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/29/2013</td><td colspan="2">9,836.0</td><td colspan="2">9,840.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2">7,733.9</td><td colspan="2">5,700.7</td><td colspan="2">98.7</td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/29/2013</td><td colspan="2">9,902.0</td><td colspan="2">9,906.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2">7,851.0</td><td colspan="2">5,702.1</td><td colspan="2">98.1</td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/29/2013</td><td colspan="2">9,942.0</td><td colspan="2">9,946.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2">7,994.1</td><td colspan="2">5,704.8</td><td colspan="2">98.7</td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/29/2013</td><td colspan="2">9,992.0</td><td colspan="2">9,996.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2">8,121.1</td><td colspan="2">5,708.4</td><td colspan="2">98.1</td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/29/2013</td><td colspan="2">10,067.0</td><td colspan="2">10,071.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2">8,267.1</td><td colspan="2">5,712.1</td><td colspan="2">98.6</td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/29/2013</td><td colspan="2">10,084.0</td><td colspan="2">10,088.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2">8,344.2</td><td colspan="2">5,711.7</td><td colspan="2">98.8</td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/29/2013</td><td colspan="2">10,132.0</td><td colspan="2">10,136.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2">8,497.0</td><td colspan="2">5,708.4</td><td colspan="2">98.2</td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/29/2013</td><td colspan="2">10,209.0</td><td colspan="2">10,213.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2">8,596.1</td><td colspan="2">5,703.3</td><td colspan="2">92.6</td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/29/2013</td><td colspan="2">10,243.0</td><td colspan="2">10,247.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2">8,752.0</td><td colspan="2">5,695.6</td><td colspan="2">91.6</td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/29/2013</td><td colspan="2">10,288.0</td><td colspan="2">10,292.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2">8,867.1</td><td colspan="2">5,695.1</td><td colspan="2">98.0</td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/29/2013</td><td colspan="2">10,355.0</td><td colspan="2">10,359.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2">9,022.0</td><td colspan="2">5,699.4</td><td colspan="2">98.2</td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/29/2013</td><td colspan="2">10,392.0</td><td colspan="2">10,396.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2">9,091.9</td><td colspan="2">5,701.3</td><td colspan="2">98.8</td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/29/2013</td><td colspan="2">10,442.0</td><td colspan="2">10,446.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2">9,249.0</td><td colspan="2">5,704.0</td><td colspan="2">98.2</td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/29/2013</td><td colspan="2">10,517.0</td><td colspan="2">10,521.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2">9,355.0</td><td colspan="2">5,704.0</td><td colspan="2">90.9</td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/29/2013</td><td colspan="2">10,586.0</td><td colspan="2">10,590.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2">9,492.1</td><td colspan="2">5,704.0</td><td colspan="2">98.3</td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/29/2013</td><td colspan="2">10,707.0</td><td colspan="2">10,711.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2">9,621.1</td><td colspan="2">5,705.4</td><td colspan="2">98.8</td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/29/2013</td><td colspan="2">10,784.0</td><td colspan="2">10,788.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2">9,756.9</td><td colspan="2">5,706.1</td><td colspan="2">98.7</td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/29/2013</td><td colspan="2">10,808.0</td><td colspan="2">10,812.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="2">9,839.9</td><td colspan="2">5,706.2</td><td colspan="2">98.0</td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/29/2013</td><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td></tr><tr><td colspan="2">9,992.1</td><td colspan="2">5,706.1</td><td colspan="2">98.1</td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/29/2013</td><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td></tr><tr><td colspan="2">10,087.9</td><td colspan="2">5,706.9</td><td colspan="2">90.0</td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/29/2013</td><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td></tr><tr><td colspan="2">10,243.1</td><td colspan="2">5,706.2</td><td colspan="2">91.4</td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/29/2013</td><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td></tr><tr><td colspan="2">10,358.9</td><td colspan="2">5,704.4</td><td colspan="2">90.2</td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/28/2013</td><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td></tr><tr><td colspan="2">10,517.1</td><td colspan="2">5,703.2</td><td colspan="2">90.9</td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/28/2013</td><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td></tr><tr><td colspan="2">10,586.0</td><td colspan="2">5,701.8</td><td colspan="2">91.4</td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/28/2013</td><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td></tr><tr><td colspan="2">10,707.0</td><td colspan="2">5,698.1</td><td colspan="2">92.2</td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/28/2013</td><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td></tr><tr><td colspan="2">10,812.0</td><td colspan="2">5,696.7</td><td colspan="2">93.0</td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/28/2013</td><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td></tr><tr><td colspan="2">10,979.0</td><td colspan="2">5,699.8</td><td colspan="2">90.5</td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/28/2013</td><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td></tr><tr><td colspan="2">11,104.0</td><td colspan="2">5,700.6</td><td colspan="2">90.4</td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/28/2013</td><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td></tr><tr><td colspan="2">11,255.9</td><td colspan="2">5,702.9</td><td colspan="2">88.4</td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/28/2013</td><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td></tr><tr><td colspan="2">11,346.1</td><td colspan="2">5,704.8</td><td colspan="2">88.2</td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/28/2013</td><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td></tr><tr><td colspan="2">11,471.1</td><td colspan="2">5,704.8</td><td colspan="2">91.8</td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/28/2013</td><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td></tr><tr><td colspan="2">11,581.0</td><td colspan="2">5,701.8</td><td colspan="2">91.5</td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/28/2013</td><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td></tr><tr><td colspan="2">11,757.9</td><td colspan="2">5,696.9</td><td colspan="2">91.5</td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/28/2013</td><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td></tr><tr><td colspan="2">11,882.9</td><td colspan="2">5,693.2</td><td colspan="2">91.8</td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/28/2013</td><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td></tr><tr><td colspan="2">12,029.9</td><td colspan="2">5,689.9</td><td colspan="2">90.6</td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/28/2013</td><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td></tr><tr><td colspan="2">12,124.0</td><td colspan="2">5,689.5</td><td colspan="2">90.8</td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/28/2013</td><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td></tr><tr><td colspan="2">12,273.0</td><td colspan="2">5,690.7</td><td colspan="2">90.2</td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/28/2013</td><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td></tr><tr><td colspan="2">12,341.5</td><td colspan="2">5,691.8</td><td colspan="2">88.8</td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Perforated Liner</td><td colspan="2">10/28/2013</td><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td></tr></table>																	MD (ftKB)		TV D (ftKB)		n cl (°)		Vertical schematic (actual)		Logs		Type of Hole		Date		Top (ftKB)		Btm (ftKB)		Zone												Perforated Liner		10/30/2013		8,948.0		8,952.0		Niobrara, Original Hole		96.8		96.8		0.2						Perforated Liner		10/30/2013		9,022.0		9,026.0		Niobrara, Original Hole		1,577.4		1,576.8		3.4						Perforated Liner		10/30/2013		9,042.0		9,046.0		Niobrara, Original Hole		3,313.0		3,310.8		2.8						Perforated Liner		10/30/2013		9,088.0		9,092.0		Niobrara, Original Hole		4,317.3		4,314.4		1.5						Perforated Liner		10/30/2013		9,167.0		9,171.0		Niobrara, Original Hole		4,824.8		4,821.6		2.5						Perforated Liner		10/30/2013		9,203.0		9,207.0		Niobrara, Original Hole		4,884.2		4,881.0		2.5						Perforated Liner		10/30/2013		9,249.0		9,253.0		Niobrara, Original Hole		6,044.9		5,707.5		87.0						Perforated Liner		10/30/2013		9,316.0		9,320.0		Niobrara, Original Hole		6,338.9		5,707.4		90.7						Perforated Liner		10/30/2013		9,351.0		9,355.0		Niobrara, Original Hole		6,495.1		5,706.3		90.9						Perforated Liner		10/30/2013		9,401.0		9,405.0		Niobrara, Original Hole		6,610.9		5,706.6		98.3						Perforated Liner		10/30/2013		9,474.0		9,478.0		Niobrara, Original Hole		6,763.1		5,706.8		98.7						Perforated Liner		10/30/2013		9,492.0		9,496.0		Niobrara, Original Hole		6,834.0		5,706.9		98.9						Perforated Liner		10/30/2013		9,541.0		9,545.0		Niobrara, Original Hole		6,990.2		5,707.1		98.0						Perforated Liner		10/30/2013		9,617.0		9,621.0		Niobrara, Original Hole		7,096.1		5,707.0		90.4						Perforated Liner		10/30/2013		9,655.0		9,659.0		Niobrara, Original Hole		7,235.9		5,703.4		90.1						Perforated Liner		10/30/2013		9,676.0		9,680.0		Niobrara, Original Hole		7,366.1		5,699.7		91.1						Perforated Liner		10/30/2013		9,757.0		9,761.0		Niobrara, Original Hole		7,507.9		5,699.4		90.8						Perforated Liner		10/30/2013		9,792.0		9,796.0		Niobrara, Original Hole		7,597.1		5,699.8		98.7						Perforated Liner		10/29/2013		9,836.0		9,840.0		Niobrara, Original Hole		7,733.9		5,700.7		98.7						Perforated Liner		10/29/2013		9,902.0		9,906.0		Niobrara, Original Hole		7,851.0		5,702.1		98.1						Perforated Liner		10/29/2013		9,942.0		9,946.0		Niobrara, Original Hole		7,994.1		5,704.8		98.7						Perforated Liner		10/29/2013		9,992.0		9,996.0		Niobrara, Original Hole		8,121.1		5,708.4		98.1						Perforated Liner		10/29/2013		10,067.0		10,071.0		Niobrara, Original Hole		8,267.1		5,712.1		98.6						Perforated Liner		10/29/2013		10,084.0		10,088.0		Niobrara, Original Hole		8,344.2		5,711.7		98.8						Perforated Liner		10/29/2013		10,132.0		10,136.0		Niobrara, Original Hole		8,497.0		5,708.4		98.2						Perforated Liner		10/29/2013		10,209.0		10,213.0		Niobrara, Original Hole		8,596.1		5,703.3		92.6						Perforated Liner		10/29/2013		10,243.0		10,247.0		Niobrara, Original Hole		8,752.0		5,695.6		91.6						Perforated Liner		10/29/2013		10,288.0		10,292.0		Niobrara, Original Hole		8,867.1		5,695.1		98.0						Perforated Liner		10/29/2013		10,355.0		10,359.0		Niobrara, Original Hole		9,022.0		5,699.4		98.2						Perforated Liner		10/29/2013		10,392.0		10,396.0		Niobrara, Original Hole		9,091.9		5,701.3		98.8						Perforated Liner		10/29/2013		10,442.0		10,446.0		Niobrara, Original Hole		9,249.0		5,704.0		98.2						Perforated Liner		10/29/2013		10,517.0		10,521.0		Niobrara, Original Hole		9,355.0		5,704.0		90.9						Perforated Liner		10/29/2013		10,586.0		10,590.0		Niobrara, Original Hole		9,492.1		5,704.0		98.3						Perforated Liner		10/29/2013		10,707.0		10,711.0		Niobrara, Original Hole		9,621.1		5,705.4		98.8						Perforated Liner		10/29/2013		10,784.0		10,788.0		Niobrara, Original Hole		9,756.9		5,706.1		98.7						Perforated Liner		10/29/2013		10,808.0		10,812.0		Niobrara, Original Hole		9,839.9		5,706.2		98.0						Perforated Liner		10/29/2013								9,992.1		5,706.1		98.1						Perforated Liner		10/29/2013								10,087.9		5,706.9		90.0						Perforated Liner		10/29/2013								10,243.1		5,706.2		91.4						Perforated Liner		10/29/2013								10,358.9		5,704.4		90.2						Perforated Liner		10/28/2013								10,517.1		5,703.2		90.9						Perforated Liner		10/28/2013								10,586.0		5,701.8		91.4						Perforated Liner		10/28/2013								10,707.0		5,698.1		92.2						Perforated Liner		10/28/2013								10,812.0		5,696.7		93.0						Perforated Liner		10/28/2013								10,979.0		5,699.8		90.5						Perforated Liner		10/28/2013								11,104.0		5,700.6		90.4						Perforated Liner		10/28/2013								11,255.9		5,702.9		88.4						Perforated Liner		10/28/2013								11,346.1		5,704.8		88.2						Perforated Liner		10/28/2013								11,471.1		5,704.8		91.8						Perforated Liner		10/28/2013								11,581.0		5,701.8		91.5						Perforated Liner		10/28/2013								11,757.9		5,696.9		91.5						Perforated Liner		10/28/2013								11,882.9		5,693.2		91.8						Perforated Liner		10/28/2013								12,029.9		5,689.9		90.6						Perforated Liner		10/28/2013								12,124.0		5,689.5		90.8						Perforated Liner		10/28/2013								12,273.0		5,690.7		90.2						Perforated Liner		10/28/2013								12,341.5		5,691.8		88.8						Perforated Liner		10/28/2013							
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colspan="2">12,273.0</td><td colspan="2">12,277.0</td><td colspan="2">Niobrara, Original Hole</td></tr><tr><td colspan="15">Stim/Treat Stages</td></tr><tr><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Stage Type</td><td colspan="2">Start Date</td><td colspan="2">Top (ftKB)</td><td colspan="2">Btm (ftKB)</td><td colspan="2">Stim/Treat Fluid</td><td colspan="1">Vol Clean Pump (bbl)</td></tr><tr><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Frac</td><td colspan="2">11/2/2013</td><td colspan="2">6,314.0</td><td colspan="2">6,384.0</td><td colspan="2">8984# 40/70, 154672# 20/40, 16500# CRC 20/40, Slick Water</td><td colspan="1">3882.00</td></tr><tr><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2">Frac</td><td colspan="2">11/2/2013</td><td colspan="2">6,462.0</td><td colspan="2">6,545.0</td><td colspan="2">9500# 40/70, 162044# 20/40, 16500# CRC 20/40, Slick Water</td><td 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Liner		10/27/2013		11,305.0		11,309.0		Niobrara, Original Hole								Perforated Liner		10/27/2013		11,342.0		11,346.0		Niobrara, Original Hole								Perforated Liner		10/27/2013		11,416.0		11,420.0		Niobrara, Original Hole								Perforated Liner		10/27/2013		11,440.0		11,444.0		Niobrara, Original Hole								Perforated Liner		10/27/2013		11,471.0		11,475.0		Niobrara, Original Hole								Perforated Liner		10/27/2013		11,552.0		11,556.0		Niobrara, Original Hole								Perforated Liner		10/27/2013		11,577.0		11,581.0		Niobrara, Original Hole								Perforated Liner		10/27/2013		11,620.0		11,624.0		Niobrara, Original Hole								Perforated Liner		10/27/2013		11,716.0		11,720.0		Niobrara, Original Hole								Perforated Liner		10/27/2013		11,758.0		11,762.0		Niobrara, Original Hole								Perforated Liner		10/27/2013		11,799.0		11,803.0		Niobrara, Original Hole								Perforated Liner		10/26/2013		11,879.0		11,883.0		Niobrara, Original Hole								Perforated Liner		10/26/2013		11,914.0		11,918.0		Niobrara, Original Hole								Perforated Liner		10/26/2013		11,940.0		11,944.0		Niobrara, Original Hole								Perforated Liner		10/26/2013		12,030.0		12,034.0		Niobrara, Original Hole								Perforated Liner		10/26/2013		12,075.0		12,079.0		Niobrara, Original Hole								Perforated Liner		10/26/2013		12,120.0		12,124.0		Niobrara, Original Hole								Perforated Liner		10/26/2013		12,183.0		12,187.0		Niobrara, Original Hole								Perforated Liner		10/26/2013		12,233.0		12,237.0		Niobrara, Original Hole								Perforated Liner		10/26/2013		12,273.0		12,277.0		Niobrara, Original Hole		Stim/Treat Stages																					Stage Type		Start Date		Top (ftKB)		Btm (ftKB)		Stim/Treat Fluid		Vol Clean Pump (bbl)							Frac		11/2/2013		6,314.0		6,384.0		8984# 40/70, 154672# 20/40, 16500# CRC 20/40, Slick Water		3882.00							Frac		11/2/2013		6,462.0		6,545.0		9500# 40/70, 162044# 20/40, 16500# CRC 20/40, Slick Water		3951.00							Frac		11/2/2013		6,607.0		6,696.0		9492# 40/70, 162549# 20/40, 16500# CRC 20/40, Slick Water		3979.00							Frac		11/2/2013		6,763.0		6,834.0		9033# 40/70, 167659# 20/40, 16500# CRC 20/40, Slick Water		4834.00							Frac		11/2/2013		6,912.0		6,994.0		9000# 40/70, 165000# 20/40, 16000# CRC 20/40, Slick Water		4003.00							Frac		11/1/2013		7,056.0		7,146.0		9000# 40/70, 165000# 20/40, 16000# CRC 20/40, Slick Water		4013.00
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						Perforated Liner		10/26/2013		12,075.0		12,079.0		Niobrara, Original Hole																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
						Perforated Liner		10/26/2013		12,120.0		12,124.0		Niobrara, Original Hole																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
						Perforated Liner		10/26/2013		12,183.0		12,187.0		Niobrara, Original Hole																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
						Perforated Liner		10/26/2013		12,233.0		12,237.0		Niobrara, Original Hole																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
						Perforated Liner		10/26/2013		12,273.0		12,277.0		Niobrara, Original Hole																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
Stim/Treat Stages																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
						Stage Type		Start Date		Top (ftKB)		Btm (ftKB)		Stim/Treat Fluid		Vol Clean Pump (bbl)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
						Frac		11/2/2013		6,314.0		6,384.0		8984# 40/70, 154672# 20/40, 16500# CRC 20/40, Slick Water		3882.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
						Frac		11/2/2013		6,462.0		6,545.0		9500# 40/70, 162044# 20/40, 16500# CRC 20/40, Slick Water		3951.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
						Frac		11/2/2013		6,607.0		6,696.0		9492# 40/70, 162549# 20/40, 16500# CRC 20/40, Slick Water		3979.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
						Frac		11/2/2013		6,763.0		6,834.0		9033# 40/70, 167659# 20/40, 16500# CRC 20/40, Slick Water		4834.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
						Frac		11/2/2013		6,912.0		6,994.0		9000# 40/70, 165000# 20/40, 16000# CRC 20/40, Slick Water		4003.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
						Frac		11/1/2013		7,056.0		7,146.0		9000# 40/70, 165000# 20/40, 16000# CRC 20/40, Slick Water		4013.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				

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Lease Review All CR
Well Name: RAZOR 27K-3408B

API Number 051233769700			WPC ID 1C0076891			Well Permit Number			Field Name DJ Horizontal Niobrara			County Weld			State CO			
Well Configuration Type Lateral/Horizontal					Orig KB Elv (ft) 4,766.30		Ground Elevation (ft) 4,749.50		Casing Flange Elevation (ft)		Tubing Head Elevation (ft)			Total Depth (ftKB) 12,390.0				
Original Spud Date 9/7/2013		Completion Date 11/2/2013		Asset Group Redtail Asset Group				Responsible Engineer Gary Nordlander			N/S Dist (ft) 2,321.0		N/S Ref FSL		E/W Dist (ft) 2,013.0		E/W Ref FWL	
Lot		Quarter 1 NE	Quarter 2 SW	Quarter 3	Quarter 4	Section 27	Section Suffix	Section Type		Township 10	Township N/S Dir N	Range 58	Range E/W Dir W		Meridian 6TH			

Lateral/Horizontal - Original Hole, 3/3/2014 9:56:10 AM				Stim/Treat Stages						
MD (ftKB)	TV D (ftKB)	n cl (°)		Stage Type	Start Date	Top (ftKB)	Btm (ftKB)	Stim/Treat Fluid	Vol Clean Pump (bbl)	
96.8	96.8	0.2		Logs						
1,577.4	1,578.8	2.4		Frac	10/27/2013	11,100.0	11,163.0	9053# 40/70, 167000# 20/40, 16500# CRC 20/40, Slick Water	4242.00	
3,313.0	3,310.8	2.8		Frac	10/27/2013	11,256.0	11,346.0	8766# 40/70, 164935# 20/40, 16700# CRC 20/40, Slick Water	4268.00	
4,317.3	4,314.4	1.5		Frac	10/27/2013	11,416.0	11,475.0	9167# 40/70, 165636# 20/40, 16000# CRC 20/40, Slick Water	4255.00	
4,824.8	4,821.6	2.5		Frac	10/27/2013	11,552.0	11,624.0	8905# 40/70, 165876# 20/40, 16086# CRC 20/40, Slick Water	4278.00	
4,884.2	4,881.0	2.5		Frac	10/27/2013	11,716.0	11,803.0	9030# 40/70, 165600# 20/40, 15800# CRC 20/40, Slick Water	4256.00	
6,044.9	5,707.5	87.0		Frac	10/26/2013	11,879.0	11,944.0	9033# 40/70, 164661# 20/40, 17000# CRC 20/40, Slick Water	4326.00	
6,338.9	5,707.4	90.7		Frac	10/26/2013	12,030.0	12,124.0	9171# 40/70, 165178# 20/40, 16000# CRC 20/40, Slick Water	4284.00	
6,495.1	5,706.3	89.9		Frac	10/26/2013	12,183.0	12,277.0	8944# 40/70, 165993# 20/40, 16500# CRC 20/40, Slick Water	6873.00	
6,610.9	5,706.6	89.3		Tubing - Production set at 4,833.2ftKB on 1/21/2014 15:12						
6,763.1	5,706.8	89.7		Set Depth (ftKB)	Comment				Run Date	Pull Date
6,834.0	5,706.9	89.9		4,833.2					1/21/2014	
6,990.2	5,707.1	89.8		Item Des	OD (in)	ID (in)	Len (ft)	Top (ftKB)	Btm (ftKB)	
7,096.1	5,707.0	90.4		Tubing	2 7/8	2.441	1,537.30	0.0	1,537.3	
7,235.9	5,703.4	92.1		Mandrel - side pocket	2 7/8		4.05	1,537.3	1,541.4	
7,366.1	5,699.7	91.1		Tubing	2 7/8	2.441	1,054.32	1,541.4	2,595.7	
7,507.9	5,699.4	89.8		Mandrel - side pocket	2 7/8		4.05	2,595.7	2,599.7	
7,597.1	5,699.8	89.7		Tubing	2 7/8	2.441	713.22	2,599.7	3,312.9	
7,733.9	5,700.7	89.7		Mandrel - side pocket	2 7/8		4.05	3,312.9	3,317.0	
7,851.0	5,702.1	89.1		Tubing	2 7/8	2.441	527.16	3,317.0	3,844.2	
7,994.1	5,704.8	89.7		Mandrel - side pocket	2 7/8		4.05	3,844.2	3,848.2	
8,121.1	5,708.4	89.1		Tubing	2 7/8	2.441	465.14	3,848.2	4,313.3	
8,267.1	5,712.1	89.6		Mandrel - side pocket	2 7/8		4.05	4,313.3	4,317.4	
8,344.2	5,711.7	90.8		Tubing	2 7/8	2.441	465.14	4,317.4	4,782.5	
8,497.0	5,708.4	90.2		Mandrel - side pocket	2 7/8		4.05	4,782.5	4,786.6	
8,596.1	5,703.3	91.6		Tubing	2 7/8	2.441	31.01	4,786.6	4,817.6	
8,752.0	5,695.6	91.6		Cup Seating Nipple	2 7/8		1.10	4,817.6	4,818.7	
8,867.1	5,695.1	90.0		Tubing Sub	2 7/8		6.00	4,818.7	4,824.7	
9,022.0	5,699.4	89.2	Packer	5 3/4		8.00	4,824.7	4,832.7		
9,091.9	5,701.3	89.8	Bar Collar	2 7/8		0.50	4,832.7	4,833.2		
9,249.0	5,704.0	90.2	Rod Strings							
9,355.0	5,704.0	90.9	<des> on <dtmrun>							
9,492.1	5,704.0	89.3	Rod Description				Run Date	Pull Date		
9,621.1	5,705.4	89.8								
9,756.9	5,706.1	89.7	Item Des				OD (in)	Len (ft)	Top (ftKB)	Btm (ftKB)
9,839.9	5,706.2	89.3								
9,992.1	5,706.1	89.1	Other Strings							
10,087.9	5,706.9	90.0	Set Depth (ftKB)	Comment				Run Date	Pull Date	
10,243.1	5,706.2	91.4	Item Des	OD (in)	Len (ft)	Top (ftKB)	Btm (ftKB)			
10,358.9	5,704.4	90.2								
10,517.1	5,703.2	89.9	Other In Hole							
10,586.0	5,701.8	91.4	Des	OD (in)	Run Date	Pull Date	Top (ftKB)	Btm (ftKB)		
10,707.0	5,699.1	90.2	CFP	4	11/2/2013	11/7/2013	6,421.0	6,423.0		
10,812.0	5,696.7	89.0	CFP	4	11/2/2013	11/7/2013	6,566.0	6,568.0		
10,979.0	5,699.8	89.5	CFP	4	11/2/2013	11/7/2013	6,721.0	6,723.0		
11,104.0	5,700.8	89.6	CFP	4	11/2/2013	11/7/2013	6,871.0	6,873.0		
11,255.9	5,702.9	89.4	CFP	4	11/2/2013	11/7/2013	7,016.0	7,018.0		
11,346.1	5,704.8	89.2	CFP	4	11/2/2013	11/7/2013	7,171.0	7,173.0		
11,471.1	5,704.5	91.2	CFP	4	11/1/2013	11/7/2013	7,320.0	7,322.0		
11,581.0	5,701.8	91.5	CFP	4	11/1/2013	11/7/2013	7,466.0	7,468.0		
11,757.9	5,699.9	91.5	CFP	4	11/1/2013	11/7/2013	7,622.0	7,624.0		
11,882.9	5,693.2	91.8	CFP	4	11/1/2013	11/7/2013	7,771.0	7,773.0		
12,029.9	5,689.9	90.6	CFP	4	11/1/2013	11/7/2013	7,921.0	7,923.0		
12,124.0	5,689.5	89.9	CFP	4	11/1/2013	11/7/2013	8,073.0	8,075.0		
12,273.0	5,690.7	89.2	CFP	4	10/31/2013	11/7/2013	8,221.0	8,223.0		
12,341.5	5,691.8	89.8	CFP	4	10/31/2013	11/7/2013	8,367.0	8,369.0		
			CFP	4	10/31/2013	11/7/2013	8,526.0	8,528.0		
			CFP	4	10/31/2013	11/7/2013	8,669.0	8,671.0		
			CFP	4	10/31/2013	11/7/2013	8,821.0	8,823.0		



Lateral/Horizontal - Original Hole, 3/3/2014 9:56:11 AM	Other In Hole
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(11/17)	27	7	Vertical Conformation (solid)	Legs	GFP	4	10/30/2013	11/7/2013	9 271 0	9 273 0
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[illegible]

7,733.9 5,700.7 10.7

Infused Line 7.680-7.736m 10/12/2013

Infused Line 7.736-7.786m 10/12/2013