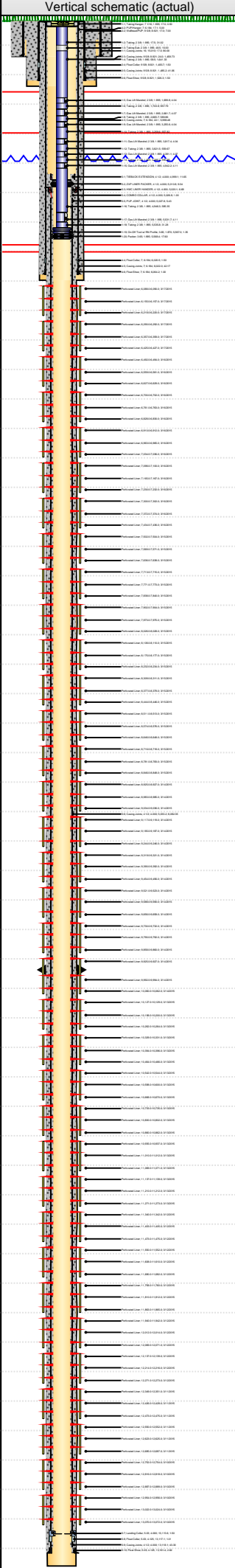




Lease Review All - Frac Summary

Well Name: RAZOR 33N-2805

API Number 051233926001		WPC ID 1CO0761125		Well Permit Number		Field Name DJ Horizontal Niobrara		County Weld		State CO		
Well Configuration Type Lateral/Horizontal		Orig KB Elv (ft) 4,740.00		Ground Elevation (ft) 4,723.00		Casing Flange Elevation (ft)		Tubing Head Elevation (ft)		Total Depth (ftKB) 13,170.0		
Original Spud Date 12/7/2014		Completion Date 3/17/2015		Asset Group Redtail		Responsible Engineer Charles Ohlson		N/S Dist (ft) 491.0		N/S Ref FSL	E/W Dist (ft) 1,859.0	E/W Ref FWL
Lot		Quarter 1 SE	Quarter 2 SW	Quarter 3	Quarter 4	Section 33	Section Suffix	Section Type	Township 10 N	Township N/S Dir	Range 58 W	Meridian
Lateral/Horizontal - Sidetrack 1, 8/20/2015 12:09:23 PM						Wellbore Sections						
MD (ftKB)	D (ft K B)	n (C L I N E R S I D E T R A C K S)		Logs	Wellbore Name		Start Date	Size (in)	Act Top (ftKB)	Act Btm (ftKB)		
					Original Hole		11/20/2014	20	17.0	97.0		
					Original Hole		12/7/2014	13 1/2	97.0	1,545.0		
					Original Hole		12/8/2014	8 3/4	1,545.0	6,085.0		
					Original Hole		12/10/2014	6	6,085.0	13,169.0		
					Sidetrack 1		12/18/2014	6	9,985.0	13,170.0		
Conductor Pipe, 97.0ftKB												
OD (in)		Wt (lb/ft)		Grade		Top (ftKB)		Btm (ftKB)		Len (ft)		Item Des
16		84.00		J-55		17.0		97.0		80.00		Casing Joints
Surface Csg, 1,527.8ftKB												
OD (in)		Wt (lb/ft)		Grade		Top (ftKB)		Btm (ftKB)		Len (ft)		Item Des
9 5/8		36.00		J-55		17.0		17.0		0.00		Landing Joint
9 5/8		36.00		J-55		17.0		24.0		7.00		Wellhead/PUP
9 5/8		36.00		J-55		24.0		1,483.7		1,459.73		Casing Joints
9 5/8		36.00		J-55		1,483.7		1,485.2		1.50		Float Collar
9 5/8		36.00		J-55		1,485.2		1,526.3		41.06		Casing Joints
9 5/8		36.00		J-55		1,526.3		1,527.8		1.50		Float Shoe
Frac String, 5,000.1ftKB												
OD (in)		Wt (lb/ft)		Grade		Top (ftKB)		Btm (ftKB)		Len (ft)		Item Des
7 1/16						17.1		19.2		2.10		Casing Hanger
4 1/2		11.60		P-110		19.2		61.8		42.64		Casing Joints
4 1/2						61.8		94.1		32.30		Pup Joint 6.23ft 8.07ft 8.08ft 9.92ft
4 1/2		11.60		P-110		94.1		4,983.4		4,889.30		Casing Joints
4 1/2						4,983.4		4,989.6		6.18		Handling Pub
4 1/2						4,989.6		5,000.1		10.50		Seal Assembly
Intermediate Csg, 6,065.2ftKB												
OD (in)		Wt (lb/ft)		Grade		Top (ftKB)		Btm (ftKB)		Len (ft)		Item Des
7		29.00		P-110		17.0		17.0		0.00		Landing Joint
7		29.00		P-110		17.0		22.0		5.00		PUP/Hanger
7		29.00		P-110		22.0		6,020.5		5,998.48		Casing Joints
7		29.00		P-110		6,020.5		6,022.0		1.50		Float Collar
7		29.00		P-110		6,022.0		6,064.2		42.17		Casing Joints
7		29.00		P-110		6,064.2		6,065.2		1.00		Float Shoe
Liner, 13,164.0ftKB												
OD (in)		Wt (lb/ft)		Grade		Top (ftKB)		Btm (ftKB)		Len (ft)		Item Des
4 1/2		11.60		P-110		4,999.1		5,010.8		11.65		TIEBACK EXTENSION
4 1/2		11.60		P-110		5,010.8		5,020.1		9.34		ZXP LINER PACKER
4 1/2		11.60		P-110		5,020.1		5,026.8		6.69		HMC LINER HANGER
4 1/2		11.60		P-110		5,026.8		5,027.8		1.00		COMBO COLLAR
4 1/2		11.60		P-110		5,027.8		5,033.2		5.43		PUP JOINT
4 1/2		11.60		P-110		5,033.2		13,115.6		8,082.35		Casing Joints
5.031		11.60		P-110		13,115.6		13,117.1		1.50		Landing Collar
5.031		11.60		P-110		13,117.1		13,118.1		1.01		Float Collar
4 1/2		11.60		P-110		13,118.1		13,161.4		43.30		Casing Joints
5.031		11.60		P-110		13,161.4		13,164.0		2.62		Float Shoe
Cement Stages												
Des		Pump Start Date		Drill Out Date		Top (ftKB)		Btm (ftKB)		Top Meas Meth		
Conductor Cement		11/20/2014				17.0		97.0		Returns to Surface		
Surface Casing Cement		12/8/2014				17.0		1,527.8		Returns to Surface		
Intermediate Casing Cement		12/10/2014				17.0		6,065.2		Returns to Surface		
Liner Cement		12/22/2014				4,999.0		13,164.0		Returns to Surface		
Perforations												
Type of Hole		Date		Top (ftKB)		Btm (ftKB)		Zone				
Perforated Liner		3/17/2015		6,088.0		6,090.0		Niobrara, Original Hole				
Perforated Liner		3/17/2015		6,155.0		6,157.0		Niobrara, Original Hole				
Perforated Liner		3/17/2015		6,218.0		6,220.0		Niobrara, Original Hole				
Perforated Liner		3/17/2015		6,290.0		6,292.0		Niobrara, Original Hole				
Perforated Liner		3/17/2015		6,357.0		6,359.0		Niobrara, Original Hole				
Perforated Liner		3/17/2015		6,425.0		6,427.0		Niobrara, Original Hole				
Perforated Liner		3/16/2015		6,492.0		6,494.0		Niobrara, Original Hole				
Perforated Liner		3/16/2015		6,559.0		6,561.0		Niobrara, Original Hole				
Perforated Liner		3/16/2015		6,627.0		6,629.0		Niobrara, Original Hole				
Perforated Liner		3/16/2015		6,700.0		6,702.0		Niobrara, Original Hole				
Perforated Liner		3/16/2015		6,761.0		6,763.0		Niobrara, Original Hole				
Perforated Liner		3/16/2015		6,828.0		6,830.0		Niobrara, Original Hole				
Perforated Liner		3/16/2015		6,910.0		6,912.0		Niobrara, Original Hole				
Perforated Liner		3/16/2015		6,963.0		6,965.0		Niobrara, Original Hole				
Perforated Liner		3/16/2015		7,034.0		7,036.0		Niobrara, Original Hole				
Perforated Liner		3/16/2015		7,098.0		7,100.0		Niobrara, Original Hole				



Lease Review All - Frac Summary

Well Name: RAZOR 33N-2805

API Number 051233926001				WPC ID 1CO0761125				Well Permit Number				Field Name DJ Horizontal Niobrara				County Weld		State CO									
Well Configuration Type Lateral/Horizontal						Orig KB Elv (ft) 4,740.00				Ground Elevation (ft) 4,723.00				Casing Flange Elevation (ft)				Tubing Head Elevation (ft)				Total Depth (ftKB) 13,170.0					
Original Spud Date 12/7/2014				Completion Date 3/17/2015				Asset Group Redtail				Responsible Engineer Charles Ohlson				N/S Dist (ft) 491.0				N/S Ref FSL		E/W Dist (ft) 1,859.0				E/W Ref FWL	
Lot		Quarter 1 SE		Quarter 2 SW		Quarter 3		Quarter 4		Section 33		Section Suffix		Section Type		Township 10 N		Township N/S Dir		Range 58		Range E/W Dir W		Meridian			
Lateral/Horizontal - Sidetrack 1, 8/20/2015 12:09:25 PM										Perforations																	
MD (ftKB)		D (ft K B)		n (K B)		c (K B)		l (K B)		Vertical schematic (actual)		Logs		Type of Hole		Date		Top (ftKB)		Btm (ftKB)		Zone					
														Perforated Liner		3/16/2015		7,165.0		7,167.0		Niobrara, Original Hole					
														Perforated Liner		3/16/2015		7,230.0		7,232.0		Niobrara, Original Hole					
														Perforated Liner		3/16/2015		7,300.0		7,302.0		Niobrara, Original Hole					
48.6		48.6		48.6		48.6		48.6						Perforated Liner		3/16/2015		7,372.0		7,374.0		Niobrara, Original Hole					
1,526.2		1,555.2		1,555.2		1,555.2		1,555.2						Perforated Liner		3/16/2015		7,434.0		7,436.0		Niobrara, Original Hole					
1,703.7		1,680.9		1,680.9		1,680.9		1,680.9						Perforated Liner		3/15/2015		7,502.0		7,504.0		Niobrara, Original Hole					
3,629.9		3,589.4		3,589.4		3,589.4		3,589.4						Perforated Liner		3/15/2015		7,569.0		7,571.0		Niobrara, Original Hole					
4,942.3		4,880.2		4,880.2		4,880.2		4,880.2						Perforated Liner		3/15/2015		7,636.0		7,638.0		Niobrara, Original Hole					
5,026.9		4,974.2		4,974.2		4,974.2		4,974.2						Perforated Liner		3/15/2015		7,713.0		7,715.0		Niobrara, Original Hole					
5,535.8		5,481.9		5,481.9		5,481.9		5,481.9						Perforated Liner		3/15/2015		7,771.0		7,773.0		Niobrara, Original Hole					
5,609.9		5,460.7		5,460.7		5,460.7		5,460.7						Perforated Liner		3/15/2015		7,838.0		7,840.0		Niobrara, Original Hole					
6,085.0		5,957.7		5,957.7		5,957.7		5,957.7						Perforated Liner		3/15/2015		7,902.0		7,904.0		Niobrara, Original Hole					
6,217.8		5,986.3		5,986.3		5,986.3		5,986.3						Perforated Liner		3/15/2015		7,973.0		7,975.0		Niobrara, Original Hole					
6,358.9		6,060.9		6,060.9		6,060.9		6,060.9						Perforated Liner		3/15/2015		8,026.0		8,028.0		Niobrara, Original Hole					
6,559.1		6,045.1		6,045.1		6,045.1		6,045.1						Perforated Liner		3/15/2015		8,108.0		8,110.0		Niobrara, Original Hole					
6,702.1		6,017.9		6,017.9		6,017.9		6,017.9						Perforated Liner		3/15/2015		8,175.0		8,177.0		Niobrara, Original Hole					
6,910.1		5,989.2		5,989.2		5,989.2		5,989.2						Perforated Liner		3/15/2015		8,232.0		8,234.0		Niobrara, Original Hole					
7,036.1		5,958.2		5,958.2		5,958.2		5,958.2						Perforated Liner		3/15/2015		8,309.0		8,311.0		Niobrara, Original Hole					
7,230.0		5,924.4		5,924.4		5,924.4		5,924.4						Perforated Liner		3/15/2015		8,377.0		8,379.0		Niobrara, Original Hole					
7,374.0		5,893.7		5,893.7		5,893.7		5,893.7						Perforated Liner		3/15/2015		8,444.0		8,446.0		Niobrara, Original Hole					
7,568.9		5,863.3		5,863.3		5,863.3		5,863.3						Perforated Liner		3/15/2015		8,511.0		8,513.0		Niobrara, Original Hole					
7,714.9		5,832.2		5,832.2		5,832.2		5,832.2						Perforated Liner		3/15/2015		8,574.0		8,576.0		Niobrara, Original Hole					
7,901.9		5,802.4		5,802.4		5,802.4		5,802.4						Perforated Liner		3/15/2015		8,646.0		8,648.0		Niobrara, Original Hole					
8,027.9		5,771.9		5,771.9		5,771.9		5,771.9						Perforated Liner		3/15/2015		8,716.0		8,718.0		Niobrara, Original Hole					
8,232.0		5,742.0		5,742.0		5,742.0		5,742.0						Perforated Liner		3/15/2015		8,781.0		8,783.0		Niobrara, Original Hole					
8,378.9		5,711.9		5,711.9		5,711.9		5,711.9						Perforated Liner		3/15/2015		8,846.0		8,848.0		Niobrara, Original Hole					
8,574.1		5,682.1		5,682.1		5,682.1		5,682.1						Perforated Liner		3/14/2015		8,925.0		8,927.0		Niobrara, Original Hole					
8,717.8		5,651.4		5,651.4		5,651.4		5,651.4						Perforated Liner		3/14/2015		8,983.0		8,985.0		Niobrara, Original Hole					
8,924.9		5,621.4		5,621.4		5,621.4		5,621.4						Perforated Liner		3/14/2015		9,034.0		9,036.0		Niobrara, Original Hole					
9,036.1		5,591.4		5,591.4		5,591.4		5,591.4						Perforated Liner		3/14/2015		9,117.0		9,119.0		Niobrara, Original Hole					
9,244.1		5,561.4		5,561.4		5,561.4		5,561.4						Perforated Liner		3/14/2015		9,185.0		9,187.0		Niobrara, Original Hole					
9,392.1		5,531.4		5,531.4		5,531.4		5,531.4						Perforated Liner		3/14/2015		9,244.0		9,246.0		Niobrara, Original Hole					
9,587.9		5,501.4		5,501.4		5,501.4		5,501.4						Perforated Liner		3/14/2015		9,319.0		9,321.0		Niobrara, Original Hole					
9,732.0		5,471.4		5,471.4		5,471.4		5,471.4						Perforated Liner		3/14/2015		9,390.0		9,392.0		Niobrara, Original Hole					
9,924.9		5,441.4		5,441.4		5,441.4		5,441.4						Perforated Liner		3/14/2015		9,454.0		9,456.0		Niobrara, Original Hole					
10,060.0		5,411.4		5,411.4		5,411.4		5,411.4						Perforated Liner		3/14/2015		9,521.0		9,523.0		Niobrara, Original Hole					
10,200.1		5,381.4		5,381.4		5,381.4		5,381.4						Perforated Liner		3/14/2015		9,588.0		9,590.0		Niobrara, Original Hole					
10,394.0		5,351.4		5,351.4		5,351.4		5,351.4						Perforated Liner		3/14/2015		9,656.0		9,658.0		Niobrara, Original Hole					
10,544.0		5,321.4		5,321.4		5,321.4		5,321.4						Perforated Liner		3/14/2015		9,730.0		9,732.0		Niobrara, Original Hole					
10,732.9		5,291.4		5,291.4		5,291.4		5,291.4						Perforated Liner		3/14/2015		9,790.0		9,792.0		Niobrara, Original Hole					
10,861.9		5,261.4		5,261.4		5,261.4		5,261.4						Perforated Liner		3/14/2015		9,858.0		9,860.0		Niobrara, Original Hole					
11,068.9		5,231.4		5,231.4		5,231.4		5,231.4						Perforated Liner		3/14/2015		9,925.0		9,927.0		Niobrara, Original Hole					
11,211.9		5,201.4		5,201.4		5,201.4		5,201.4						Perforated Liner		3/14/2015		9,992.0		9,994.0		Niobrara, Original Hole					
11,402.9		5,171.4		5,171.4		5,171.4		5,171.4						Perforated Liner		3/14/2015		10,060.0		10,062.0		Niobrara, Original Hole					
11,551.8		5,141.4		5,141.4		5,141.4		5,141.4						Perforated Liner		3/13/2015		10,127.0		10,129.0		Niobrara, Original Hole					
11,757.9		5,111.4		5,111.4		5,111.4		5,111.4						Perforated Liner		3/13/2015		10,198.0		10,200.0		Niobrara, Original Hole					
11,865.2		5,081.4		5,081.4		5,081.4		5,081.4						Perforated Liner		3/13/2015		10,262.0		10,264.0		Niobrara, Original Hole					
12,068.9		5,051.4		5,051.4		5,051.4		5,051.4						Perforated Liner		3/13/2015		10,329.0		10,331.0		Niobrara, Original Hole					
12,215.9		5,021.4		5,021.4		5,021.4		5,021.4						Perforated Liner		3/13/2015		10,394.0		10,396.0		Niobrara, Original Hole					
12,425.9		5,000.0		5,000.0		5,000.0		5,000.0						Perforated Liner		3/13/2015		10,464.0		10,466.0		Niobrara, Original Hole					
12,551.8		4,970.0		4,970.0		4,970.0		4,970.0						Perforated Liner		3/13/2015		10,542.0		10,544.0		Niobrara, Original Hole					
12,752.0		4,940.0		4,940.0		4,940.0		4,940.0						Perforated Liner		3/13/2015		10,598.0		10,600.0		Niobrara, Original Hole					
12,889.1		4,910.0		4,910.0		4,910.0		4,910.0						Perforated Liner		3/13/2015		10,668.0		10,670.0		Niobrara, Original Hole					
13,069.9		4,880.0		4,880.0		4,880.0		4,880.0						Perforated Liner		3/13/2015		10,733.0		10,735.0		Niobrara, Original Hole					
13,161.4		4,850.0		4,850.0		4,850.0		4,850.0						Perforated Liner		3/13/2015		10,800.0		10,802.0		Niobrara, Original Hole					
														Perforated Liner		3/13/2015		10,860.0		10,862.0		Niobrara, Original Hole					
														Perforated Liner		3/13/2015		10,935.0		10,937.0		Niobrara, Original Hole					
														Perforated Liner		3/13/2015		11,010.0		11,012.0		Niobrara, Original Hole					
														Perforated Liner		3/13/2015		11,069.0		11,071.0		Niobrara, Original Hole					
														Perforated Liner		3/13/2015		11,137.0		11,139.0		Niobrara, Original Hole					
														Perforated Liner		3/13/2015		11,210.0		11,212.0		Niobrara, Original Hole					
														Perforated Liner		3/13/2015		11,271.0		11,273.0		Niobrara, Original Hole					
														Perforated Liner		3/12/2015		11,340.0		11,342.0		Niobrara, Original Hole					
														Perforated Liner		3/12/2015		11,403.0		11,405.0		Niobrara, Original Hole					
														Perforated Liner		3/12/2015		11,473.0		11,475.0		Niobrara, Original Hole					
														Perforated Liner		3/12/2015		11,550.0		11,552.0		Niobrara, Original Hole					
														Perforated Liner		3/12/2015		11,608.0		11,610.0		Niobrara, Original Hole					
														Perforated Liner		3/12/2015		11,680.0		11,682.0		Niobrara, Original Hole					
														Perforated Liner		3/12/2015		11,758.0		11,760.0		Niobrara, Original Hole					
														Perforated Liner		3/12/2015		11,810.0		11,812.0		Niobrara, Original Hole					



Lease Review All - Frac Summary

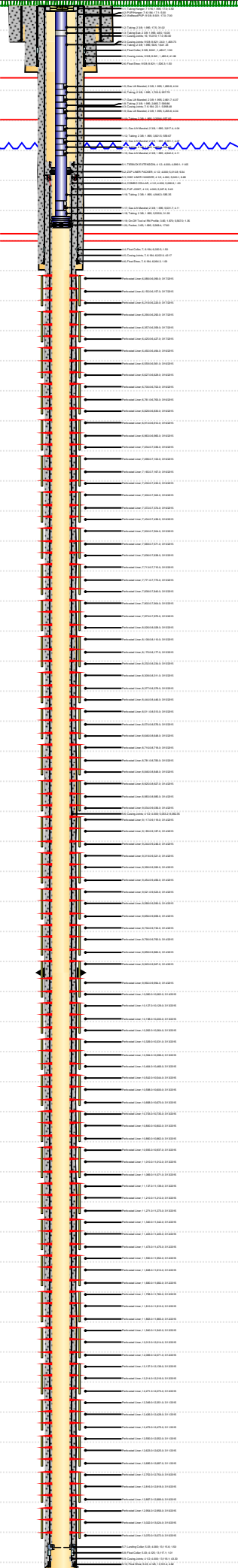
Well Name: RAZOR 33N-2805

API Number 051233926001		WPC ID 1CO0761125		Well Permit Number		Field Name DJ Horizontal Niobrara		County Weld		State CO							
Well Configuration Type Lateral/Horizontal		Orig KB Elv (ft) 4,740.00		Ground Elevation (ft) 4,723.00		Casing Flange Elevation (ft)		Tubing Head Elevation (ft)		Total Depth (ftKB) 13,170.0							
Original Spud Date 12/7/2014		Completion Date 3/17/2015		Asset Group Redtail		Responsible Engineer Charles Ohlson		N/S Dist (ft) 491.0		N/S Ref FSL		E/W Dist (ft) 1,859.0		E/W Ref FWL			
Lot		Quarter 1 SE	Quarter 2 SW	Quarter 3	Quarter 4	Section 33	Section Suffix	Section Type	Township 10	Township N/S Dir N	Range 58	Range E/W Dir W	Meridian				
Lateral/Horizontal - Sidetrack 1, 8/20/2015 12:09:27 PM						Perforations											
MD (ftKB)	D (ft K B)	n (K B)	<div>Vertical schematic (actual)</div>	Logs	Type of Hole		Date	Top (ftKB)	Btm (ftKB)	Zone							
					Perforated Liner		3/12/2015	11,863.0	11,865.0	Niobrara, Original Hole							
					Perforated Liner		3/12/2015	11,940.0	11,942.0	Niobrara, Original Hole							
					Perforated Liner		3/12/2015	12,012.0	12,014.0	Niobrara, Original Hole							
					Perforated Liner		3/12/2015	12,069.0	12,071.0	Niobrara, Original Hole							
					Perforated Liner		3/12/2015	12,137.0	12,139.0	Niobrara, Original Hole							
					Perforated Liner		3/12/2015	12,214.0	12,216.0	Niobrara, Original Hole							
					Perforated Liner		3/12/2015	12,271.0	12,273.0	Niobrara, Original Hole							
					Perforated Liner		3/11/2015	12,349.0	12,351.0	Niobrara, Original Hole							
					Perforated Liner		3/11/2015	12,426.0	12,428.0	Niobrara, Original Hole							
					Perforated Liner		3/11/2015	12,473.0	12,475.0	Niobrara, Original Hole							
					Perforated Liner		3/11/2015	12,550.0	12,552.0	Niobrara, Original Hole							
					Perforated Liner		3/11/2015	12,623.0	12,625.0	Niobrara, Original Hole							
					Perforated Liner		3/11/2015	12,685.0	12,687.0	Niobrara, Original Hole							
					Perforated Liner		3/10/2015	12,752.0	12,754.0	Niobrara, Original Hole							
					Perforated Liner		3/10/2015	12,816.0	12,818.0	Niobrara, Original Hole							
					Perforated Liner		3/10/2015	12,887.0	12,889.0	Niobrara, Original Hole							
					Perforated Liner		3/10/2015	12,954.0	12,956.0	Niobrara, Original Hole							
					Perforated Liner		3/10/2015	13,022.0	13,024.0	Niobrara, Original Hole							
					Perforated Liner		3/10/2015	13,070.0	13,072.0	Niobrara, Original Hole							
Stimulations & Treatments																	
Sand Frac on 3/10/2015 11:32																	
Comment																	
Treatment End Date: 3/17/2015; Number of staged intervals: 35; Number of perfs: 1260; Min frac gradient: 0.82 psi/ft; 15% HCl: 795 bbl; Slickwater: 156332 bbl; Fresh Water: 6465 bbl. 93 bbl 24# Linear Gel..																	
Total Clean Volu...		Vol Slurry Tot (bbl)		Proppant Desig...		Proppant Frm (lb)		P Max (psi)		Avg Treat...		Avg Treat...		Max Tre...		Frac Gr...	
163685.40				3,611,250.0		3,461,506.0		9,581.0		5,890.0		70.10		73.40		0.85	
Total Add Amount																	
Proppant 30/50 Ottawa 3354666 lb; Proppant 40/70 Ottawa 106840 lb																	
Stim/Treat Fluids																	
Fluid Name																	
15% HCl																	
15% HCl, 24# Linear Gel																	
Stim/Treat Stages																	
Interval 1																	
Stg #	Start Date		Top (ftKB)	Btm (ftKB)	Vol Clean...	Vol Slurry...	Comment										
1	3/10/2015		12,954.0	13,072.0	6989.10		15% HCl:45 bbl; Slickwater:5929 bbl; Fresh Water:1015 bbl										
Stim/Treat Additives																	
Stg #	Add		Type		Amount		Units		Sand Size								
1	Proppant		30/50 Ottawa		87,033.0		lb		30/50								
1	Proppant		40/70 Ottawa		2,372.0		lb		40/70								
Interval 2																	
Stg #	Start Date		Top (ftKB)	Btm (ftKB)	Vol Clean...	Vol Slurry...	Comment										
2	3/10/2015		12,752.0	12,889.0	5322.50		15% HCl:17 bbl; Slickwater:4829 bbl; Fresh Water:383 bbl; 24# Linear Gel : 93 bbl										
Stim/Treat Additives																	
Stg #	Add		Type		Amount		Units		Sand Size								
2	Proppant		30/50 Ottawa		98,380.0		lb		30/50								
2	Proppant		40/70 Ottawa		2,794.0		lb		40/70								
Interval 3																	
Stg #	Start Date		Top (ftKB)	Btm (ftKB)	Vol Clean...	Vol Slurry...	Comment										
3	3/11/2015		12,550.0	12,687.0	4794.10		15% HCl:21 bbl; Slickwater:4470 bbl; Fresh Water:303 bbl										
Stim/Treat Additives																	
Stg #	Add		Type		Amount		Units		Sand Size								
3	Proppant		30/50 Ottawa		95,430.0		lb		30/50								
3	Proppant		40/70 Ottawa		2,384.0		lb		40/70								
Interval 4																	
Stg #	Start Date		Top (ftKB)	Btm (ftKB)	Vol Clean...	Vol Slurry...	Comment										
4	3/11/2015		12,349.0	12,475.0	4754.20		15% HCl:22 bbl; Slickwater:4442 bbl; Fresh Water:290 bbl										
Stim/Treat Additives																	
Stg #	Add		Type		Amount		Units		Sand Size								
4	Proppant		30/50 Ottawa		92,546.0		lb		30/50								
4	Proppant		40/70 Ottawa		3,010.0		lb		40/70								
Interval 5																	
Stg #	Start Date		Top (ftKB)	Btm (ftKB)	Vol Clean...	Vol Slurry...	Comment										
5	3/12/2015		12,137.0	12,273.0	4841.40		15% HCl:22 bbl; Slickwater:4539 bbl; Fresh Water:280 bbl										
Stim/Treat Additives																	
Stg #	Add		Type		Amount		Units		Sand Size								
5	Proppant		30/50 Ottawa		102,116.0		lb		30/50								
5	Proppant		40/70 Ottawa		3,323.0		lb		40/70								
Interval 6																	
Stg #	Start Date		Top (ftKB)	Btm (ftKB)	Vol Clean...	Vol Slurry...	Comment										
6	3/12/2015		11,940.0	12,071.0	4751.90		15% HCl:22 bbl; Slickwater:4449 bbl; Fresh Water:281 bbl										



Lease Review All - Frac Summary

Well Name: RAZOR 33N-2805

API Number 051233926001		WPC ID 1CO0761125		Well Permit Number		Field Name DJ Horizontal Niobrara		County Weld		State CO			
Well Configuration Type Lateral/Horizontal		Orig KB Elv (ft) 4,740.00		Ground Elevation (ft) 4,723.00		Casing Flange Elevation (ft)		Tubing Head Elevation (ft)		Total Depth (ftKB) 13,170.0			
Original Spud Date 12/7/2014		Completion Date 3/17/2015		Asset Group Redtail		Responsible Engineer Charles Ohlson		N/S Dist (ft) 491.0		N/S Ref FSL	E/W Dist (ft) 1,859.0	E/W Ref FWL	
Lot		Quarter 1 SE	Quarter 2 SW	Quarter 3	Quarter 4	Section 33	Section Suffix	Section Type	Township 10 N	Township N/S Dir	Range 58 W	Meridian	
Lateral/Horizontal - Sidetrack 1, 8/20/2015 12:09:30 PM						Stim/Treat Additives							
MD (ftKB)	D (ft K B)	nc (B)	Vertical schematic (actual)	Logs	Stg #	Add		Type		Amount	Units	Sand Size	
					6	Proppant		30/50 Ottawa		98,343.0	lb	30/50	
					6	Proppant		40/70 Ottawa		3,255.0	lb	40/70	
48.6	000	00			Interval 7								
1,526.2	1,505.0	00		Stg #	Start Date	Top (ftKB)	Btm (ftKB)	Vol Clean...	Vol Slurry...	Comment 15% HCl:23 bbl; Slickwater:4434 bbl; Fresh Water:259 bbl			
				7	3/12/2015	11,758.0	11,865.0	4715.60					
1,703.7	1,680.0	00		Stim/Treat Additives									
3,629.9	3,588.0	00		Stg #	Add		Type		Amount	Units	Sand Size		
				7	Proppant		30/50 Ottawa		89,852.0	lb	30/50		
4,942.3	4,888.0	00		7	Proppant		40/70 Ottawa		2,330.0	lb	40/70		
5,026.9	4,972.0	00		Interval 8									
5,535.8	5,441.0	00		Stg #	Start Date	Top (ftKB)	Btm (ftKB)	Vol Clean...	Vol Slurry...	Comment 15% HCl:21 bbl; Slickwater:4415 bbl; Fresh Water:266 bbl			
				8	3/12/2015	11,550.0	11,682.0	4701.50					
5,609.9	5,467.0	00		Stim/Treat Additives									
6,085.0	5,947.0	00		Stg #	Add		Type		Amount	Units	Sand Size		
				8	Proppant		30/50 Ottawa		93,948.0	lb	30/50		
6,217.8	5,983.0	00		8	Proppant		40/70 Ottawa		2,554.0	lb	40/70		
6,358.9	5,949.0	00		Interval 9									
6,559.1	5,949.0	00		Stg #	Start Date	Top (ftKB)	Btm (ftKB)	Vol Clean...	Vol Slurry...	Comment 15% HCl:22 bbl; Slickwater:4596 bbl; Fresh Water:271 bbl			
				9	3/12/2015	11,340.0	11,475.0	4888.80					
6,702.1	5,941.0	00		Stim/Treat Additives									
6,910.1	5,882.0	00		Stg #	Add		Type		Amount	Units	Sand Size		
				9	Proppant		30/50 Ottawa		96,529.0	lb	30/50		
7,036.1	5,885.0	00	9	Proppant		40/70 Ottawa		2,809.0	lb	40/70			
7,230.0	5,884.0	00	Interval 10										
7,374.0	5,887.0	00	Stg #	Start Date	Top (ftKB)	Btm (ftKB)	Vol Clean...	Vol Slurry...	Comment 15% HCl:24 bbl; Slickwater:4364 bbl; Fresh Water:243 bbl				
			10	3/12/2015	11,137.0	11,273.0	4630.50						
7,568.9	5,888.0	00	Stim/Treat Additives										
7,714.9	5,883.0	00	Stg #	Add		Type		Amount	Units	Sand Size			
			10	Proppant		30/50 Ottawa		97,834.0	lb	30/50			
7,901.9	5,882.0	00	10	Proppant		40/70 Ottawa		3,346.0	lb	40/70			
8,027.9	5,881.0	00	Interval 11										
8,232.0	5,889.0	00	Stg #	Start Date	Top (ftKB)	Btm (ftKB)	Vol Clean...	Vol Slurry...	Comment 15% HCl:22 bbl; Slickwater:4431 bbl; Fresh Water:209 bbl				
			11	3/13/2015	10,935.0	11,071.0	4662.50						
8,378.9	5,882.0	00	Stim/Treat Additives										
8,574.1	5,883.0	00	Stg #	Add		Type		Amount	Units	Sand Size			
			11	Proppant		30/50 Ottawa		98,967.0	lb	30/50			
8,717.8	5,884.0	00	11	Proppant		40/70 Ottawa		3,171.0	lb	40/70			
8,924.9	5,889.0	00	Interval 12										
9,036.1	5,888.0	00	Stg #	Start Date	Top (ftKB)	Btm (ftKB)	Vol Clean...	Vol Slurry...	Comment 15% HCl:22 bbl; Slickwater:4412 bbl; Fresh Water:207 bbl				
			12	3/13/2015	10,733.0	10,862.0	4641.30						
9,244.1	5,882.0	00	Stim/Treat Additives										
9,392.1	5,886.0	00	Stg #	Add		Type		Amount	Units	Sand Size			
			12	Proppant		30/50 Ottawa		91,661.0	lb	30/50			
9,587.9	5,881.0	00	12	Proppant		40/70 Ottawa		2,699.0	lb	40/70			
9,732.0	5,847.0	00	Interval 13										
9,924.9	5,841.0	00	Stg #	Start Date	Top (ftKB)	Btm (ftKB)	Vol Clean...	Vol Slurry...	Comment 15% HCl:21 bbl; Slickwater:4415 bbl; Fresh Water:194 bbl				
			13	3/13/2015	10,542.0	10,670.0	4630.50						
10,060.0	5,875.0	00	Stim/Treat Additives										
10,200.1	5,861.0	00	Stg #	Add		Type		Amount	Units	Sand Size			
			13	Proppant		30/50 Ottawa		95,934.0	lb	30/50			
10,394.0	5,884.0	00	13	Proppant		40/70 Ottawa		3,334.0	lb	40/70			
10,544.0	5,857.0	00	Interval 14										
10,732.9	5,884.0	00	Stg #	Start Date	Top (ftKB)	Btm (ftKB)	Vol Clean...	Vol Slurry...	Comment 15% HCl:22 bbl; Slickwater:4371 bbl; Fresh Water:198 bbl				
			14	3/13/2015	10,329.0	10,466.0	4591.40						
10,861.9	5,886.0	00	Stim/Treat Additives										
11,068.9	5,885.0	00	Stg #	Add		Type		Amount	Units	Sand Size			
			14	Proppant		30/50 Ottawa		97,952.0	lb	30/50			
11,211.9	5,887.0	00	14	Proppant		40/70 Ottawa		3,141.0	lb	40/70			
11,402.9	5,704.0	00	Interval 15										
11,551.8	5,704.0	00	Stg #	Start Date	Top (ftKB)	Btm (ftKB)	Vol Clean...	Vol Slurry...	Comment 15% HCl:23 bbl; Slickwater:4413 bbl; Fresh Water:194 bbl				
			15	3/13/2015	10,127.0	10,264.0	4630.00						
11,757.9	5,704.0	00	Stim/Treat Additives										
11,865.2	5,704.0	00	Stg #	Add		Type		Amount	Units	Sand Size			
			15	Proppant		30/50 Ottawa		104,450.0	lb	30/50			
12,068.9	5,705.0	00	15	Proppant		40/70 Ottawa		3,530.0	lb	40/70			
12,215.9	5,703.0	00	Interval 16										
12,425.9	5,685.0	00	Stg #	Start Date	Top (ftKB)	Btm (ftKB)	Vol Clean...	Vol Slurry...	Comment 15% HCl:25 bbl; Slickwater:4432 bbl; Fresh Water:167 bbl				
			16	3/13/2015	9,925.0	10,062.0	4623.70						
12,551.8	5,688.0	00	Stim/Treat Additives										
12,752.0	5,701.0	00	Stg #	Add		Type		Amount	Units	Sand Size			
			16	Proppant		30/50 Ottawa		107,762.0	lb	30/50			
12,889.1	5,687.0	00											
13,069.9	5,701.0	00											
13,161.4	5,703.0	00											



Lease Review All - Frac Summary

Well Name: RAZOR 33N-2805

API Number 051233926001				WPC ID 1CO0761125				Well Permit Number				Field Name DJ Horizontal Niobrara				County Weld		State CO							
Well Configuration Type Lateral/Horizontal				Orig KB Elv (ft) 4,740.00				Ground Elevation (ft) 4,723.00				Casing Flange Elevation (ft)				Tubing Head Elevation (ft)				Total Depth (ftKB) 13,170.0					
Original Spud Date 12/7/2014				Completion Date 3/17/2015				Asset Group Redtail				Responsible Engineer Charles Ohlson				N/S Dist (ft) 491.0				N/S Ref FSL		E/W Dist (ft) 1,859.0		E/W Ref FWL	
Lot		Quarter 1 SE		Quarter 2 SW		Quarter 3		Quarter 4		Section 33		Section Suffix		Section Type		Township 10 N		Township N/S Dir		Range 58 W		Range E/W Dir		Meridian	
Lateral/Horizontal - Sidetrack 1, 8/20/2015 12:09:32 PM												Stim/Treat Additives													
MD (ftKB)	D (ft K B)	n (K B)	c (K B)	l (K B)	Vertical schematic (actual)	Logs	Stim/Treat Additives																		
							Stg #	Add				Type				Amount				Units		Sand Size			
							16	Proppant				40/70 Ottawa				3,646.0				lb		40/70			
Interval 17																									
							Stg #	Start Date		Top (ftKB)		Btm (ftKB)		Vol Clean...		Vol Slurry...		Comment							
48.6	48.6	12					17	3/13/2015		9,730.0		9,860.0		4639.50				15% HCl:23 bbl; Slickwater:4452 bbl; Fresh Water:165 bbl							
Stim/Treat Additives																									
							Stg #	Add				Type				Amount				Units		Sand Size			
1,703.7	1,703.7	1,989.0	82				17	Proppant				30/50 Ottawa				102,777.0				lb		30/50			
3,629.9	3,629.9	3,986.4	83				17	Proppant				40/70 Ottawa				3,366.0				lb		40/70			
Interval 18																									
							Stg #	Start Date		Top (ftKB)		Btm (ftKB)		Vol Clean...		Vol Slurry...		Comment							
4,942.3	4,942.3	4,986.4	83				18	3/14/2015		9,521.0		9,658.0		4598.00				15% HCl:23 bbl; Slickwater:4421 bbl; Fresh Water:154 bbl							
Stim/Treat Additives																									
							Stg #	Add				Type				Amount				Units		Sand Size			
5,026.9	5,026.9	5,042.0	83				18	Proppant				30/50 Ottawa				92,389.0				lb		30/50			
5,535.8	5,535.8	5,612.0	83				18	Proppant				40/70 Ottawa				2,336.0				lb		40/70			
Interval 19																									
							Stg #	Start Date		Top (ftKB)		Btm (ftKB)		Vol Clean...		Vol Slurry...		Comment							
5,809.9	5,809.9	5,846.7	83				19	3/14/2015		9,319.0		9,456.0		4590.90				15% HCl:22 bbl; Slickwater:4418 bbl; Fresh Water:151 bbl							
Stim/Treat Additives																									
							Stg #	Add				Type				Amount				Units		Sand Size			
6,085.0	6,085.0	6,087.7	83				19	Proppant				30/50 Ottawa				92,392.0				lb		30/50			
6,217.8	6,217.8	6,246.3	83				19	Proppant				40/70 Ottawa				2,292.0				lb		40/70			
Interval 20																									
							Stg #	Start Date		Top (ftKB)		Btm (ftKB)		Vol Clean...		Vol Slurry...		Comment							
6,358.9	6,358.9	6,368.9	83				20	3/14/2015		9,117.0		9,246.0		4557.90				15% HCl:24 bbl; Slickwater:4378 bbl; Fresh Water:156 bbl							
Stim/Treat Additives																									
							Stg #	Add				Type				Amount				Units		Sand Size			
7,14.9	7,14.9	7,302.2	83				20	Proppant				30/50 Ottawa				95,371.0				lb		30/50			
7,901.9	7,901.9	7,922.4	83				20	Proppant				40/70 Ottawa				3,756.0				lb		40/70			
Interval 21																									
							Stg #	Start Date		Top (ftKB)		Btm (ftKB)		Vol Clean...		Vol Slurry...		Comment							
8,027.9	8,027.9	8,037.9	83				21	3/14/2015		8,925.0		9,036.0		4541.90				15% HCl:0 bbl; Slickwater:4403 bbl; Fresh Water:139 bbl							
Stim/Treat Additives																									
							Stg #	Add				Type				Amount				Units		Sand Size			
8,574.1	8,574.1	8,623.1	83				21	Proppant				30/50 Ottawa				94,192.0				lb		30/50			
8,717.8	8,717.8	8,748.4	83				21	Proppant				40/70 Ottawa				3,029.0				lb		40/70			
Interval 22																									
							Stg #	Start Date		Top (ftKB)		Btm (ftKB)		Vol Clean...		Vol Slurry...		Comment							
9,036.1	9,036.1	9,046.4	83				22	3/14/2015		8,716.0		8,848.0		4607.40				15% HCl:23 bbl; Slickwater:4461 bbl; Fresh Water:123 bbl							
Stim/Treat Additives																									
							Stg #	Add				Type				Amount				Units		Sand Size			
9,244.1	9,244.1	9,262.2	83				22	Proppant				30/50 Ottawa				102,283.0				lb		30/50			
9,392.1	9,392.1	9,406.2	83				22	Proppant				40/70 Ottawa				3,360.0				lb		40/70			
Interval 23																									
							Stg #	Start Date		Top (ftKB)		Btm (ftKB)		Vol Clean...		Vol Slurry...		Comment							
9,924.9	9,924.9	9,942.7	83				23	3/14/2015		8,511.0		8,648.0		4362.10				15% HCl:24 bbl; Slickwater:4224 bbl; Fresh Water:115 bbl							
Stim/Treat Additives																									
							Stg #	Add				Type				Amount				Units		Sand Size			
10,060.0	10,060.0	10,082.1	83				23	Proppant				30/50 Ottawa				84,235.0				lb		30/50			
10,200.1	10,200.1	10,216.3	83				23	Proppant				40/70 Ottawa				3,169.0				lb		40/70			
Interval 24																									
							Stg #	Start Date		Top (ftKB)		Btm (ftKB)		Vol Clean...		Vol Slurry...		Comment							
10,394.0	10,394.0	10,407.7	83				24	3/15/2015		8,309.0		8,446.0		4420.80				15% HCl:26 bbl; Slickwater:4284 bbl; Fresh Water:111 bbl							
Stim/Treat Additives																									
							Stg #	Add				Type				Amount				Units		Sand Size			
10,544.0	10,544.0	10,557.4	83				24	Proppant				30/50 Ottawa				79,098.0				lb		30/50			
10,732.9	10,732.9	10,746.4	83				24	Proppant				40/70 Ottawa				2,811.0				lb		40/70			
Interval 25																									
							Stg #	Start Date		Top (ftKB)		Btm (ftKB)		Vol Clean...		Vol Slurry...		Comment							
10,861.9	10,861.9	10,874.6	83				25	3/15/2015		8,108.0		8,234.0		4376.60				15% HCl:23 bbl; Slickwater:4249 bbl; Fresh Water:104 bbl							
Stim/Treat Additives																									
							Stg #	Add				Type				Amount				Units		Sand Size			
11,068.9	11,068.9	11,082.0	83				25	Proppant				30/50 Ottawa				89,573.0				lb		30/50			
11,211.9	11,211.9	11,225.1	83				25	Proppant				40/70 Ottawa				3,597.0				lb		40/70			
Interval 26																									
							Stg #	Start Date		Top (ftKB)		Btm (ftKB)		Vol Clean...		Vol Slurry...		Comment							
11,402.9	11,402.9	11,416.4	83				26	3/15/2015		7,902.0		8,028.0		4350.10				15% HCl:20 bbl; Slickwater:4239 bbl; Fresh Water:91 bbl							
Stim/Treat Additives																									
							Stg #	Add				Type				Amount				Units		Sand Size			
11,551.8	11,551.8	11,565.4	83				26	Proppant				30/50 Ottawa				97,859.0				lb		30/50			
11,757.9	11,757.9	11,771.4	83				26	Proppant				40/70 Ottawa				4,272.0				lb		40/70			



Lease Review All - Frac Summary

Well Name: RAZOR 33N-2805

API Number 051233926001		WPC ID 1CO0761125		Well Permit Number		Field Name DJ Horizontal Niobrara		County Weld		State CO					
Well Configuration Type Lateral/Horizontal				Orig KB Elv (ft) 4,740.00		Ground Elevation (ft) 4,723.00		Casing Flange Elevation (ft)		Tubing Head Elevation (ft)		Total Depth (ftKB) 13,170.0			
Original Spud Date 12/7/2014		Completion Date 3/17/2015		Asset Group Redtail		Responsible Engineer Charles Ohlson			N/S Dist (ft) 491.0		N/S Ref FSL	E/W Dist (ft) 1,859.0	E/W Ref FWL		
Lot		Quarter 1 SE	Quarter 2 SW	Quarter 3	Quarter 4	Section 33	Section Suffix	Section Type	Township 10 N		Township N/S Dir	Range 58	E/W Dir W	Meridian	
Lateral/Horizontal - Sidetrack 1, 8/20/2015 12:09:34 PM						Stim/Treat Stages									
MD (ftKB)	D (ft K B)	n (K B)	c (K B)	l (K B)	Vertical schematic (actual)	Logs	Interval 27								
							Stg #	Start Date	Top (ftKB)	Btm (ftKB)	Vol Clean...	Vol Slurry...	Comment		
							27	3/15/2015	7,713.0	7,840.0	4458.30		15% HCl:25 bbl; Slickwater:4345 bbl; Fresh Water:88 bbl		
							Stim/Treat Additives								
		Stg #		Add		Type		Amount		Units		Sand Size			
		27		Proppant		30/50 Ottawa		110,858.0		lb		30/50			
		27		Proppant		40/70 Ottawa		4,913.0		lb		40/70			
							Interval 28								
		Stg #		Start Date		Top (ftKB)		Btm (ftKB)		Vol Clean...		Vol Slurry...		Comment	
		28		3/15/2015		7,502.0		7,638.0		4362.90				15% HCl:24 bbl; Slickwater:4339 bbl; Fresh Water:0 bbl	
							Stim/Treat Additives								
		Stg #		Add		Type		Amount		Units		Sand Size			
		28		Proppant		30/50 Ottawa		91,782.0		lb		30/50			
		28		Proppant		40/70 Ottawa		3,032.0		lb		40/70			
							Interval 29								
		Stg #		Start Date		Top (ftKB)		Btm (ftKB)		Vol Clean...		Vol Slurry...		Comment	
		29		3/16/2015		7,300.0		7,436.0		4468.30				15% HCl:24 bbl; Slickwater:4383 bbl; Fresh Water:61 bbl	
							Stim/Treat Additives								
		Stg #		Add		Type		Amount		Units		Sand Size			
		29		Proppant		30/50 Ottawa		96,454.0		lb		30/50			
		29		Proppant		40/70 Ottawa		3,051.0		lb		40/70			
							Interval 30								
		Stg #		Start Date		Top (ftKB)		Btm (ftKB)		Vol Clean...		Vol Slurry...		Comment	
		30		3/16/2015		7,098.0		7,232.0		4466.00				15% HCl:24 bbl; Slickwater:4380 bbl; Fresh Water:62 bbl	
							Stim/Treat Additives								
		Stg #		Add		Type		Amount		Units		Sand Size			
		30		Proppant		30/50 Ottawa		92,497.0		lb		30/50			
		30		Proppant		40/70 Ottawa		2,904.0		lb		40/70			
							Interval 31								
		Stg #		Start Date		Top (ftKB)		Btm (ftKB)		Vol Clean...		Vol Slurry...		Comment	
		31		3/16/2015		6,910.0		7,036.0		4505.50				15% HCl:24 bbl; Slickwater:4432 bbl; Fresh Water:50 bbl	
							Stim/Treat Additives								
		Stg #		Add		Type		Amount		Units		Sand Size			
		31		Proppant		30/50 Ottawa		99,931.0		lb		30/50			
		31		Proppant		40/70 Ottawa		1,866.0		lb		40/70			
							Interval 32								
		Stg #		Start Date		Top (ftKB)		Btm (ftKB)		Vol Clean...		Vol Slurry...		Comment	
		32		3/16/2015		6,700.0		6,830.0		4703.10				15% HCl:24 bbl; Slickwater:4622 bbl; Fresh Water:57 bbl	
							Stim/Treat Additives								
		Stg #		Add		Type		Amount		Units		Sand Size			
		32		Proppant		30/50 Ottawa		102,016.0		lb		30/50			
		32		Proppant		40/70 Ottawa		3,034.0		lb		40/70			
							Interval 33								
		Stg #		Start Date		Top (ftKB)		Btm (ftKB)		Vol Clean...		Vol Slurry...		Comment	
		33		3/16/2015		6,492.0		6,629.0		4403.10				15% HCl:20 bbl; Slickwater:4338 bbl; Fresh Water:45 bbl	
							Stim/Treat Additives								
		Stg #		Add		Type		Amount		Units		Sand Size			
		33		Proppant		30/50 Ottawa		92,779.0		lb		30/50			
		33		Proppant		40/70 Ottawa		2,123.0		lb		40/70			
							Interval 34								
		Stg #		Start Date		Top (ftKB)		Btm (ftKB)		Vol Clean...		Vol Slurry...		Comment	
		34		3/17/2015		6,290.0		6,427.0		4111.90				15% HCl:24 bbl; Slickwater:4055 bbl; Fresh Water:33 bbl	
							Stim/Treat Additives								
		Stg #		Add		Type		Amount		Units		Sand Size			
		34		Proppant		30/50 Ottawa		71,582.0		lb		30/50			
		34		Proppant		40/70 Ottawa		3,023.0		lb		40/70			
							Interval 35								
		Stg #		Start Date		Top (ftKB)		Btm (ftKB)		Vol Clean...		Vol Slurry...		Comment	
		35		3/17/2015		6,088.0		6,220.0		4992.10				15% HCl:25 bbl; Slickwater:4967 bbl; Fresh Water:0 bbl	
							Stim/Treat Additives								
		Stg #		Add		Type		Amount		Units		Sand Size			
		35		Proppant		30/50 Ottawa		117,861.0		lb		30/50			
		35		Proppant		40/70 Ottawa		3,208.0		lb		40/70			
							Tubing - Production set at 5,586.0ftKB on 4/9/2015 06:00								
		Set Depth (ftKB)		Comment		Run Date		Pull Date							
		5,586.0				4/9/2015									
		Item Des		OD (in)		ID (in)		Len (ft)		Top (ftKB)		Btm (ftKB)			
		Tubing Hanger		7 1/16		1.995		0.50		17.0		17.5			
		Tubing		2 3/8		1.995		31.02		17.5		48.5			
		Tubing Sub		2 3/8		1.995		10.00		48.5		58.5			
		Tubing		2 3/8		1.995		1,641.33		58.5		1,699.8			
		Gas Lift Mandrel		2 3/8		1.995		4.04		1,699.8		1,703.9			



Lease Review All - Frac Summary

Well Name: RAZOR 33N-2805

API Number 051233926001				WPC ID 1CO0761125				Well Permit Number				Field Name DJ Horizontal Niobrara				County Weld		State CO							
Well Configuration Type Lateral/Horizontal				Orig KB Elv (ft) 4,740.00				Ground Elevation (ft) 4,723.00				Casing Flange Elevation (ft)				Tubing Head Elevation (ft)				Total Depth (ftKB) 13,170.0					
Original Spud Date 12/7/2014				Completion Date 3/17/2015				Asset Group Redtail				Responsible Engineer Charles Ohlson				N/S Dist (ft) 491.0		N/S Ref FSL		E/W Dist (ft) 1,859.0		E/W Ref FWL			
Lot		Quarter 1 SE		Quarter 2 SW		Quarter 3		Quarter 4		Section 33		Section Suffix		Section Type		Township 10 N		Township N/S Dir		Range 58 W		Range E/W Dir		Meridian	
Lateral/Horizontal - Sidetrack 1, 8/20/2015 12:09:36 PM										Item Des				OD (in)		ID (in)		Len (ft)		Top (ftKB)		Btm (ftKB)			
MD (ftKB)	D (ft K B)	n (K B)	c (K B)	l (K B)	Vertical schematic (actual)	Logs	Tubing																		
							Gas Lift Mandrel																		
1,526.2	1.5552	94					Tubing																		
							Gas Lift Mandrel																		
1,703.7	1.6809	94					Tubing																		
							Gas Lift Mandrel																		
3,629.9	3.5884	94					Tubing																		
							Gas Lift Mandrel																		
4,942.3	4.8882	94					Tubing																		
							Gas Lift Mandrel																		
5,026.9	4.9742	12					Tubing																		
							Gas Lift Mandrel																		
5,535.8	5.4817	94					Tubing																		
							On-Off Tool w/ RN Profile																		
5,609.9	5.4607	94					Packer																		
							Rod Strings																		
6,085.0	5.9407	94					<des> on <dtmrun>																		
							Rod Description																		
6,217.8	5.9405	94					Run Date																		
							Pull Date																		
6,358.9	5.9409	94					Item Des																		
							OD (in)																		
6,559.1	5.9419	94					Len (ft)																		
							Top (ftKB)																		
6,702.1	5.9419	94					Btm (ftKB)																		
							Other Strings																		
6,910.1	5.9403	94					Set Depth (ftKB)																		
							Comment																		
7,036.1	5.9405	94					Run Date																		
							Pull Date																		
7,230.0	5.9394	94					Item Des																		
							OD (in)																		
7,374.0	5.9397	94					Len (ft)																		
							Top (ftKB)																		
7,568.9	5.9398	94					Btm (ftKB)																		
							Other In Hole																		
7,714.9	5.9392	94					Des																		
							OD (in)																		
7,901.9	5.9394	94					Run Date																		
							Pull Date																		
8,027.9	5.9391	94					Top (ftKB)																		
							Btm (ftKB)																		
8,232.0	5.9388	94					CFP																		
							CFP																		
8,378.9	5.9395	94					CFP																		
							CFP																		
8,574.1	5.9391	94					CFP																		
							CFP																		
8,717.8	5.9394	94					CFP																		
							CFP																		
8,924.9	5.9389	94					CFP																		
							CFP																		
9,036.1	5.9395	94					CFP																		
							CFP																		
9,244.1	5.9392	94					CFP																		
							CFP																		
9,392.1	5.9393	94					CFP																		
							CFP																		
9,587.9	5.9391	94					CFP																		
							CFP																		
9,732.0	5.9407	94					CFP																		
							CFP																		
9,924.9	5.9401	94					CFP																		
							CFP																		
10,060.0	5.9405	94					CFP																		
							CFP																		
10,200.1	5.9391	94					CFP																		
							CFP																		
10,394.0	5.9393	94					CFP																		
							CFP																		
10,544.0	5.9397	94					CFP																		
							CFP																		
10,732.9	5.9394	94					CFP																		
							CFP																		
10,861.9	5.9386	94					CFP																		
							CFP																		
11,068.9	5.9393	94					CFP																		
							CFP																		
11,211.9	5.9395	94					CFP																		
							CFP																		
11,402.9	5.9394	94					CFP																		
							CFP																		
11,551.8	5.9394	94					CFP																		
							CFP																		
11,757.9	5.9396	94					CFP																		
							CFP																		
11,865.2	5.9397	94					CFP																		
							CFP																		
12,068.9	5.9391	94					Bottom Hole Cores																		
							Date																		
12,215.9	5.9391	94					Core #																		
							Top (ftKB)																		
12,425.9	5.9395	94					Btm (ftKB)																		
							Recov (ft)																		
12,551.8	5.9389	94																							
12,752.0	5.9391	94																							
12,889.1	5.9397	94																							
13,069.9	5.9393	94																							
13,161.4	5.9393	94																							