

<div><div><div></div><div>WHITING</div></div><div>Lease Review</div><div>Well Name: RAZOR 21B-0911</div></div>																	
API Number 051233953400			WPC ID 1CO0761116			Well Permit Number			Field Name DJ Horizontal Niobrara			County Weld		State CO			
Well Configuration Type Lateral/Horizontal				Orig KB Elv (ft) 4,860.80			Ground Elevation (ft) 4,844.00		Casing Flange Elevation (ft)		Tubing Head Elevation (ft)		Total Depth (ftKB) 13,969.0				
Original Spud Date 9/26/2014		Completion Date 1/5/2015		Asset Group Redtail			Responsible Engineer Charles Ohlson			N/S Dist (ft) 328.0		N/S Ref FNL		E/W Dist (ft) 2,095.0		E/W Ref FEL	
Lot		Quarter 1 NW	Quarter 2 NE	Quarter 3	Quarter 4	Section 21	Section Suffix	Section Type	Township 10	Township N/S Dir N	Range 58	Range E/W Dir W	Meridian				
Lateral/Horizontal - Original Hole, 4/7/2015 1:52:04 PM						Wellbore Sections											
MD (ftKB)	D (ft KB )	n c l ( )	Vertical schematic (actual)	Logs	Section Des		Wellbore Name		Start Date	Size (in)	Act Top (ftKB)	Act Btm (ftKB)					
					Conductor		Original Hole		9/13/2014	20	16.8	96.8					
					Surface		Original Hole		9/26/2014	13 1/2	96.8	1,685.0					
					Intermediate		Original Hole		9/28/2014	8 3/4	1,685.0	6,126.0					
Lateral		Original Hole		9/30/2014		6		6,126.0		13,969.0							
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, 1,686.0ftKB																	
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		21.8		5.00		PUP joint					
9 5/8		36.00		J-55		21.8		1,641.8		1,620.00		Casing Joints					
9 5/8		36.00		J-55		1,641.8		1,643.3		1.50		Float Collar					
9 5/8		36.00		J-55		1,643.3		1,684.5		41.16		Casing Joints					
9 5/8		36.00		J-55		1,684.5		1,686.0		1.50		Float Shoe					
Intermediate Csg, 6,106.4ftKB																	
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		6,063.6		6,041.76		Casing Joints					
7		29.00		L-80		6,063.6		6,065.1		1.50		Float Collar					
7		29.00		L-80		6,065.1		6,104.9		39.85		Casing Joints					
7		29.00		L-80		6,104.9		6,106.4		1.50		Float Shoe					
Liner, 13,862.0ftKB																	
OD (in)		Wt (lb/ft)		Grade		Top (ftKB)		Btm (ftKB)		Len (ft)		Item Des					
4 1/2		11.60		P-110		5,026.1		5,042.4		16.34		5.75" X 5.25" X 15" "PBR" LINER TOP					
4 1/2		11.60		P-110		5,042.4		5,045.8		3.40		WFT "TSP" LINER TOP PACKER					
4 1/2		11.60		P-110		5,045.8		5,051.6		5.71		WFT "CTH" HYD. SET HANGER					
4 1/2		11.60		P-110		5,051.6		5,052.3		0.74		5" VAM TOP BOX/ 4.5" BTC PIN X/O					
4 1/2		11.60		P-110		5,052.3		7,743.6		2,691.32		JOINT OF 4.5" 11.6# P-110 BTC					
4 1/2		11.60		P-110		7,743.6		7,782.6		39.00		JOINT OF 4.5" 11.6# P-110 BTC					
4 1/2		11.60		P-110		7,782.6		13,846.8		6,064.20		JOINT OF 4.5" 11.6# P-110 BTC					
4 1/2		11.60		P-110		13,846.8		13,851.9		5.10		Casing Joints					
4 1/2		11.60		P-110		13,851.9		13,856.9		5.01		WFT GEN 2 WET SHOE SUB					
4 1/2		11.60		P-110		13,856.9		13,858.4		1.50		WFT "PLB" LANDING COLLAR					
4 1/2		11.60		P-110		13,858.4		13,860.4		2.00		WFT DOUBLE VALVE FLOAT COLLAR					
4 1/2		11.60		P-110		13,860.4		13,862.0		1.58		WFT SINGLE VALVE FLOAT SHOE					
Cement Stages																	
Des			Pump Start Date			Drill Out Date			Top (ftKB)		Btm (ftKB)		Top Meas Meth				
Conductor Cement			9/13/2014						16.8		96.8		Returns to Surface				
Surface Casing Cement			9/27/2014						16.8		1,685.9		Returns to Surface				
Intermediate Casing Cement			9/29/2014						16.8		6,106.4		Returns to Surface				
Liner Cement			10/4/2014						5,026.1		13,862.0		Volume Calculations				
Perforations																	
Type of Hole			Date			Top (ftKB)			Btm (ftKB)			Zone					
Perforated Liner			1/4/2015			6,138.0			6,140.0			Niobrara, Original Hole					
Perforated Liner			1/4/2015			6,194.0			6,196.0			Niobrara, Original Hole					
Perforated Liner			1/4/2015			6,258.0			6,260.0			Niobrara, Original Hole					
Perforated Liner			1/4/2015			6,333.0			6,335.0			Niobrara, Original Hole					
Perforated Liner			1/4/2015			6,388.0			6,390.0			Niobrara, Original Hole					
Perforated Liner			1/4/2015			6,435.0			6,437.0			Niobrara, Original Hole					
Perforated Liner			1/4/2015			6,512.0			6,514.0			Niobrara, Original Hole					
Perforated Liner			1/4/2015			6,582.0			6,584.0			Niobrara, Original Hole					
Perforated Liner			1/4/2015			6,634.0			6,636.0			Niobrara, Original Hole					
Perforated Liner			1/4/2015			6,711.0			6,713.0			Niobrara, Original Hole					
Perforated Liner			1/4/2015			6,776.0			6,778.0			Niobrara, Original Hole					
Perforated Liner			1/4/2015			6,836.0			6,838.0			Niobrara, Original Hole					
Perforated Liner			1/4/2015			6,905.0			6,907.0			Niobrara, Original Hole					
Perforated Liner			1/4/2015			6,980.0			6,982.0			Niobrara, Original Hole					
Perforated Liner			1/4/2015			7,035.0			7,037.0			Niobrara, Original Hole					



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Well Configuration Type Lateral/Horizontal			Orig KB Elv (ft) 4,860.80			Ground Elevation (ft) 4,844.00			Casing Flange Elevation (ft)			Tubing Head Elevation (ft)			Total Depth (ft)KB 13,969.0						
Original Spud Date 9/26/2014			Completion Date 1/5/2015			Asset Group Redtail			Responsible Engineer Charles Ohlson			N/S Dist (ft) 328.0		N/S Ref FNL		E/W Dist (ft) 2,095.0		E/W Ref FEL			
Lot		Quarter 1 NW		Quarter 2 NE		Quarter 3		Quarter 4		Section 21		Section Suffix		Section Type		Township 10 N		Township N/S Dir Range 58 W		Range E/W Dir Meridian	
Lateral/Horizontal - Original Hole, 4/7/2015 1:52:05 PM										Perforations											
MD (ft)KB		D (ft) KB		n (ft) KB		c (ft) KB		l (ft) KB		Type of Hole		Date		Top (ft)KB		Btm (ft)KB		Zone			



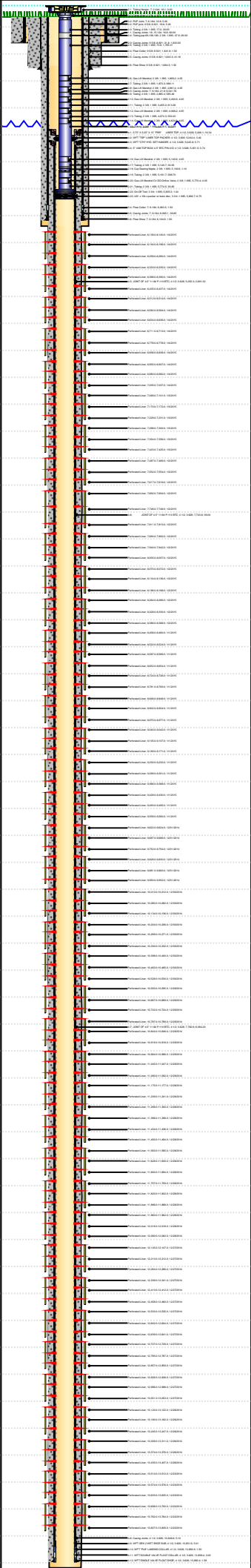
Lateral/Horizontal - Original Hole, 4/7/2015 1:52:06 PM			Perforations					
MD (ftKB)	D (ft KB )	n c l (						
Vertical schematic (actual)			Logs					
21.7								
1,643.4								
1,873.4								
4,068.2								
5,042.3								
5,149.6								
5,805.4								
6,105.0								
6,193.9								
6,335.0								
6,512.1								
6,636.2								
6,836.0								
6,982.0								
7,169.9								
7,299.9								
7,486.9								
7,619.1								
7,748.0								
7,892.1								
8,069.9								
8,188.0								
8,386.2								
8,524.0								
8,724.1								
8,848.1								
9,040.0								
9,170.9								
9,366.1								
9,495.1								
9,687.0								
9,830.1								
10,009.8								
10,136.2								
10,330.1								
10,464.9								
10,667.0								
10,789.0								
10,983.9								
11,091.9								
11,297.9								
11,436.0								
11,628.0								
11,758.9								
11,960.0								
12,082.0								
12,264.1								
12,412.1								
12,602.0								
12,729.0								
12,925.9								
13,053.1								
13,245.1								
13,378.0								
13,574.1								
13,700.1								
13,846.8								
13,861.9								
			Type of Hole	Date	Top (ftKB)	Btm (ftKB)	Zone	
			Perforated Liner	12/28/2014	11,692.0	11,694.0	Niobrara, Original Hole	
			Perforated Liner	12/28/2014	11,757.0	11,759.0	Niobrara, Original Hole	
			Perforated Liner	12/28/2014	11,820.0	11,822.0	Niobrara, Original Hole	
			Perforated Liner	12/28/2014	11,886.0	11,888.0	Niobrara, Original Hole	
			Perforated Liner	12/28/2014	11,960.0	11,962.0	Niobrara, Original Hole	
			Perforated Liner	12/28/2014	12,016.0	12,018.0	Niobrara, Original Hole	
			Perforated Liner	12/28/2014	12,080.0	12,082.0	Niobrara, Original Hole	
			Perforated Liner	12/27/2014	12,145.0	12,147.0	Niobrara, Original Hole	
			Perforated Liner	12/27/2014	12,210.0	12,212.0	Niobrara, Original Hole	
			Perforated Liner	12/27/2014	12,264.0	12,266.0	Niobrara, Original Hole	
			Perforated Liner	12/27/2014	12,339.0	12,341.0	Niobrara, Original Hole	
			Perforated Liner	12/27/2014	12,410.0	12,412.0	Niobrara, Original Hole	
			Perforated Liner	12/27/2014	12,458.0	12,460.0	Niobrara, Original Hole	
			Perforated Liner	12/27/2014	12,533.0	12,535.0	Niobrara, Original Hole	
			Perforated Liner	12/27/2014	12,602.0	12,604.0	Niobrara, Original Hole	
			Perforated Liner	12/27/2014	12,639.0	12,641.0	Niobrara, Original Hole	
			Perforated Liner	12/27/2014	12,727.0	12,729.0	Niobrara, Original Hole	
			Perforated Liner	12/27/2014	12,785.0	12,787.0	Niobrara, Original Hole	
			Perforated Liner	12/27/2014	12,857.0	12,859.0	Niobrara, Original Hole	
			Perforated Liner	12/27/2014	12,926.0	12,928.0	Niobrara, Original Hole	
			Perforated Liner	12/27/2014	12,986.0	12,988.0	Niobrara, Original Hole	
			Perforated Liner	12/27/2014	13,051.0	13,053.0	Niobrara, Original Hole	
			Perforated Liner	12/26/2014	13,120.0	13,122.0	Niobrara, Original Hole	
			Perforated Liner	12/26/2014	13,180.0	13,182.0	Niobrara, Original Hole	
			Perforated Liner	12/26/2014	13,245.0	13,247.0	Niobrara, Original Hole	
			Perforated Liner	12/26/2014	13,309.0	13,311.0	Niobrara, Original Hole	
			Perforated Liner	12/26/2014	13,374.0	13,376.0	Niobrara, Original Hole	
			Perforated Liner	12/26/2014	13,435.0	13,437.0	Niobrara, Original Hole	
			Perforated Liner	12/23/2014	13,510.0	13,512.0	Niobrara, Original Hole	
			Perforated Liner	12/23/2014	13,574.0	13,576.0	Niobrara, Original Hole	
			Perforated Liner	12/23/2014	13,633.0	13,635.0	Niobrara, Original Hole	
			Perforated Liner	12/22/2014	13,698.0	13,700.0	Niobrara, Original Hole	
			Perforated Liner	12/22/2014	13,762.0	13,764.0	Niobrara, Original Hole	
			Perforated Liner	12/22/2014	13,827.0	13,829.0	Niobrara, Original Hole	
Sand Frac on 12/22/2014 06:00								
Comment						Min Top De...	Max Btm D...	Frac Length (ft)
Treatment End Date:1/4/2015; Number of staged intervals: 40; Min frac gradient: 0.833 psi/ft; Number of perfs: 1440; Total 28% HCl used: 980 bbl; 80388 bbl QuadraFrac XL Gel, 12742 bbl QuadraFrac Linear Gel, 27530 bbl Slickwater						6,138.0	13,829.0	
Stim/Treat Fluids								
QuadraFrac XL Gel; QuadraFrac Linear Gel; 28% HCL, <fluidtyp>								
Proppant Frm (lb)	Total Clean Vol...	Avg Treat Rate...	Max Treat Rate...	Avg Treat Press...	P Max (psi)	Frac Gradient (p...		
5,880,359.0	121639.10	42.80	62.30	4,758.0	9,462.0	0.75		
Stim/Treat Stages								
Stg #	Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Vol Clean Pump (bbl)	Vol Slurry (bbl)			
1	12/22/2014	13,698.0	13,829.0	2875.90	2986.50			
Additive	Type	Amount	Units	Sand Size				
Proppant	20/40 WS	99,682.0	lb	20/40				
Additive	Type	Amount	Units	Sand Size				
Proppant	40/70 WS	3,032.9	lb	40/70				
Stg #	Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Vol Clean Pump (bbl)	Vol Slurry (bbl)			
2	12/23/2014	13,510.0	13,635.0	2701.80	2812.30			
Additive	Type	Amount	Units	Sand Size				
Proppant	20/40 WS	99,426.0	lb	20/40				
Additive	Type	Amount	Units	Sand Size				
Proppant	40/70 WS	3,238.0	lb	40/70				
Stg #	Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Vol Clean Pump (bbl)	Vol Slurry (bbl)			
3	12/26/2014	13,309.0	13,437.0	2931.30	3041.30			
Additive	Type	Amount	Units	Sand Size				
Proppant	20/40 WS	99,050.0	lb	20/40				
Additive	Type	Amount	Units	Sand Size				
Proppant	40/70 WS	3,149.6	lb	40/70				
Stg #	Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Vol Clean Pump (bbl)	Vol Slurry (bbl)			
4	12/26/2014	13,120.0	13,247.0	3052.00	3219.20			
Additive	Type	Amount	Units	Sand Size				
Proppant	20/40 WS	152,248.0	lb	20/40				
Additive	Type	Amount	Units	Sand Size				
Proppant	40/70 WS	3,084.2	lb	40/70				
Stg #	Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Vol Clean Pump (bbl)	Vol Slurry (bbl)			
5	12/27/2014	12,926.0	13,053.0	3002.90	3162.10			
Additive	Type	Amount	Units	Sand Size				
Proppant	20/40 WS	144,906.0	lb	20/40				
Additive	Type	Amount	Units	Sand Size				
Proppant	40/70 WS	2,944.6	lb	40/70				
Stg #	Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Vol Clean Pump (bbl)	Vol Slurry (bbl)			
6	12/27/2014	12,727.0	12,859.0	2987.30	3155.50			
Additive	Type	Amount	Units	Sand Size				
Proppant	20/40 WS	153,194.0	lb	20/40				
Additive	Type	Amount	Units	Sand Size				
Proppant	40/70 WS	3,002.4	lb	40/70				



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Original Spud Date 9/26/2014		Completion Date 1/5/2015		Asset Group Redtail		Responsible Engineer Charles Ohlson		N/S Dist (ft) 328.0		N/S Ref FNL E/W Dist (ft) 2,095.0 E/W Ref FEL		
Lot		Quarter 1 NW	Quarter 2 NE	Quarter 3	Quarter 4	Section 21	Section Suffix	Section Type	Township 10 N	Township N/S Dir	Range 58 W Range E/W Dir Meridian	
Lateral/Horizontal - Original Hole, 4/7/2015 1:52:09 PM						Additive Proppant		Type 40/70 WS		Amount 3,052.6	Units lb Sand Size 40/70	
MD (ftKB)	D (ft KB)	n (ft)	c (ft)	l (ft)	Vertical schematic (actual)	Logs	Stg #	Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Vol Clean Pump (bbl)	Vol Slurry (bbl)
							23	1/1/2015	9,428.0	9,560.0	3086.30	3258.60
21.7							Additive Proppant	Type 20/40 WS		Amount 157,015.0	Units lb Sand Size 20/40	
							Additive Proppant	Type 40/70 WS		Amount 3,041.0	Units lb Sand Size 40/70	
1,643.4							Stg #	Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Vol Clean Pump (bbl)	Vol Slurry (bbl)
							24	1/1/2015	9,230.0	9,368.0	2745.00	2855.70
1,873.4							Additive Proppant	Type 20/40 WS		Amount 99,790.0	Units lb Sand Size 20/40	
							Additive Proppant	Type 40/70 WS		Amount 3,055.8	Units lb Sand Size 40/70	
4,068.2							Stg #	Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Vol Clean Pump (bbl)	Vol Slurry (bbl)
							25	1/1/2015	9,040.0	9,171.0	3096.10	3266.10
5,042.3							Additive Proppant	Type 20/40 WS		Amount 154,966.0	Units lb Sand Size 20/40	
							Additive Proppant	Type 40/70 WS		Amount 2,956.0	Units lb Sand Size 40/70	
5,149.6							Stg #	Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Vol Clean Pump (bbl)	Vol Slurry (bbl)
							26	1/1/2015	8,846.0	8,977.0	3096.20	3265.40
5,805.4							Additive Proppant	Type 20/40 WS		Amount 154,115.0	Units lb Sand Size 20/40	
							Additive Proppant	Type 40/70 WS		Amount 3,016.6	Units lb Sand Size 40/70	
6,105.0							Stg #	Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Vol Clean Pump (bbl)	Vol Slurry (bbl)
							27	1/1/2015	8,652.0	8,783.0	3075.70	3247.90
6,193.9							Additive Proppant	Type 20/40 WS		Amount 156,975.0	Units lb Sand Size 20/40	
							Additive Proppant	Type 40/70 WS		Amount 2,948.0	Units lb Sand Size 40/70	
6,335.0							Stg #	Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Vol Clean Pump (bbl)	Vol Slurry (bbl)
							28	1/1/2015	8,458.0	8,589.0	3078.70	3249.90
6,512.1							Additive Proppant	Type 20/40 WS		Amount 156,014.0	Units lb Sand Size 20/40	
							Additive Proppant	Type 40/70 WS		Amount 2,977.3	Units lb Sand Size 40/70	
6,636.2							Stg #	Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Vol Clean Pump (bbl)	Vol Slurry (bbl)
							29	1/2/2015	8,264.0	8,388.0	3038.10	3211.70
6,836.0							Additive Proppant	Type 20/40 WS		Amount 158,029.0	Units lb Sand Size 20/40	
							Additive Proppant	Type 40/70 WS		Amount 3,209.0	Units lb Sand Size 40/70	
6,982.0							Stg #	Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Vol Clean Pump (bbl)	Vol Slurry (bbl)
							30	1/2/2015	8,070.0	8,188.0	3041.70	3202.90
7,169.9							Additive Proppant	Type 20/40 WS		Amount 146,371.1	Units lb Sand Size 20/40	
							Additive Proppant	Type 40/70 WS		Amount 3,316.5	Units lb Sand Size 40/70	
7,299.9							Stg #	Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Vol Clean Pump (bbl)	Vol Slurry (bbl)
							31	1/2/2015	7,890.0	8,007.0	3042.20	3213.40
7,486.9							Additive Proppant	Type 20/40 WS		Amount 156,043.0	Units lb Sand Size 20/40	
							Additive Proppant	Type 40/70 WS		Amount 2,952.0	Units lb Sand Size 40/70	
7,619.1							Stg #	Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Vol Clean Pump (bbl)	Vol Slurry (bbl)
							32	1/2/2015	7,692.0	7,813.0	3058.10	3229.50
7,748.0							Additive Proppant	Type 20/40 WS		Amount 156,092.7	Units lb Sand Size 20/40	
							Additive Proppant	Type 40/70 WS		Amount 3,090.7	Units lb Sand Size 40/70	
7,892.1							Stg #	Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Vol Clean Pump (bbl)	Vol Slurry (bbl)
							33	1/2/2015	7,487.0	7,619.0	3010.20	3181.00
8,069.9							Additive Proppant	Type 20/40 WS		Amount 155,263.0	Units lb Sand Size 20/40	
							Additive Proppant	Type 40/70 WS		Amount 3,405.0	Units lb Sand Size 40/70	
8,188.0							Stg #	Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Vol Clean Pump (bbl)	Vol Slurry (bbl)
							34	1/3/2015	7,298.0	7,425.0	2931.00	3102.00
8,396.2							Additive Proppant	Type 20/40 WS		Amount 155,897.8	Units lb Sand Size 20/40	
							Additive Proppant	Type 40/70 WS		Amount 2,931.5	Units lb Sand Size 40/70	
8,524.0							Stg #	Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Vol Clean Pump (bbl)	Vol Slurry (bbl)
							35	1/3/2015	7,099.0	7,231.0	2897.70	3072.30
8,724.1							Additive Proppant	Type 20/40 WS		Amount 159,183.0	Units lb Sand Size 20/40	
							Additive Proppant	Type 40/70 WS		Amount 2,961.0	Units lb Sand Size 40/70	
8,848.1							Stg #	Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Vol Clean Pump (bbl)	Vol Slurry (bbl)
							36	1/3/2015	6,905.0	7,037.0	3430.20	3591.00
9,040.0							Additive Proppant	Type 20/40 WS		Amount 146,121.1	Units lb Sand Size 20/40	
							Additive Proppant	Type 40/70 WS		Amount 3,224.9	Units lb Sand Size 40/70	
9,170.9							Stg #	Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Vol Clean Pump (bbl)	Vol Slurry (bbl)
							37	1/4/2015	6,711.0	6,838.0	2894.90	3066.90
9,366.1							Additive Proppant	Type 20/40 WS		Amount 156,669.0	Units lb Sand Size 20/40	
							Additive Proppant	Type 40/70 WS		Amount 3,094.0	Units lb Sand Size 40/70	
9,495.1							Stg #	Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Vol Clean Pump (bbl)	Vol Slurry (bbl)
							38	1/4/2015	6,512.0	6,636.0	2843.00	2997.60
9,687.0							Additive Proppant	Type 20/40 WS		Amount 140,492.3	Units lb Sand Size 20/40	
							Additive Proppant	Type 20/40 WS		Amount 140,492.3	Units lb Sand Size 20/40	
9,830.1							Additive Proppant	Type 20/40 WS		Amount 140,492.3	Units lb Sand Size 20/40	
							Additive Proppant	Type 20/40 WS		Amount 140,492.3	Units lb Sand Size 20/40	
10,009.8							Additive Proppant	Type 20/40 WS		Amount 140,492.3	Units lb Sand Size 20/40	
							Additive Proppant	Type 20/40 WS		Amount 140,492.3	Units lb Sand Size 20/40	
10,136.2							Additive Proppant	Type 20/40 WS		Amount 140,492.3	Units lb Sand Size 20/40	
							Additive Proppant	Type 20/40 WS		Amount 140,492.3	Units lb Sand Size 20/40	
10,330.1							Additive Proppant	Type 20/40 WS		Amount 140,492.3	Units lb Sand Size 20/40	
							Additive Proppant	Type 20/40 WS		Amount 140,492.3	Units lb Sand Size 20/40	
10,464.9							Additive Proppant	Type 20/40 WS		Amount 140,492.3	Units lb Sand Size 20/40	
							Additive Proppant	Type 20/40 WS		Amount 140,492.3	Units lb Sand Size 20/40	
10,667.0							Additive Proppant	Type 20/40 WS		Amount 140,492.3	Units lb Sand Size 20/40	
							Additive Proppant	Type 20/40 WS		Amount 140,492.3	Units lb Sand Size 20/40	
10,789.0							Additive Proppant	Type 20/40 WS		Amount 140,492.3	Units lb Sand Size 20/40	
							Additive Proppant	Type 20/40 WS		Amount 140,492.3	Units lb Sand Size 20/40	
10,983.9							Additive Proppant	Type 20/40 WS		Amount 140,492.3	Units lb Sand Size 20/40	
							Additive Proppant	Type 20/40 WS		Amount 140,492.3	Units lb Sand Size 20/40	
11,091.9							Additive Proppant	Type 20/40 WS		Amount 140,492.3	Units lb Sand Size 20/40	
							Additive Proppant	Type 20/40 WS		Amount 140,492.3	Units lb Sand Size 20/40	
11,297.9							Additive Proppant	Type 20/40 WS		Amount 140,492.3	Units lb Sand Size 20/40	
							Additive Proppant	Type 20/40 WS		Amount 140,492.3	Units lb Sand Size 20/40	
11,436.0							Additive Proppant	Type 20/40 WS		Amount 140,492.3	Units lb Sand Size 20/40	
							Additive Proppant	Type 20/40 WS		Amount 140,492.3	Units lb Sand Size 20/40	
11,628.0							Additive Proppant	Type 20/40 WS		Amount 140,492.3	Units lb Sand Size 20/40	
							Additive Proppant	Type 20/40 WS		Amount 140,492.3	Units lb Sand Size 20/40	
11,758.9							Additive Proppant	Type 20/40 WS		Amount 140,492.3	Units lb Sand Size 20/40	
							Additive Proppant	Type 20/40 WS		Amount 140,492.3	Units lb Sand Size 20/40	
11,960.0							Additive Proppant	Type 20/40 WS		Amount 140,492.3	Units lb Sand Size 20/40	
							Additive Proppant	Type 20/40 WS		Amount 140,492.3	Units lb Sand Size 20/40	
12,082.0							Additive Proppant	Type 20/40 WS		Amount 140,492.3	Units lb Sand Size 20/40	
							Additive Proppant	Type 20/40 WS		Amount 140,492.3	Units lb Sand Size 20/40	
12,264.1							Additive Proppant	Type 20/40 WS		Amount 140,492.3	Units lb Sand Size 20/40	
							Additive Proppant	Type 20/40 WS		Amount 140,492.3	Units lb Sand Size 20/40	
12,412.1							Additive Proppant	Type 20/40 WS		Amount 140,492.3	Units lb Sand Size 20/40	
							Additive Proppant	Type 20/40 WS		Amount 140,492.3	Units lb Sand Size 20/40	
12,602.0							Additive Proppant	Type 20/40 WS		Amount 140,492.3	Units lb Sand Size 20/40	
							Additive Proppant	Type 20/40 WS		Amount 140,492.3	Units lb Sand Size 20/40	
12,729.0							Additive Proppant	Type 20/40 WS		Amount 140,492.3	Units lb Sand Size 20/40	
							Additive Proppant	Type 20/40 WS		Amount 140,492.3	Units lb Sand Size 20/40	
12,925.9							Additive Proppant	Type 20/40 WS		Amount 140,492.3	Units lb Sand Size 20/40	
							Additive Proppant	Type 20/40 WS		Amount 140,492.3	Units lb Sand Size 20/40	
13,053.1							Additive Proppant	Type 20/40 WS		Amount 140,492.3	Units lb Sand Size 20/40	
							Additive Proppant	Type 20/40 WS		Amount 140,492.3	Units lb Sand Size 20/40	
13,245.1							Additive Proppant	Type 20/40 WS		Amount 140,492.3	Units lb Sand Size 20/40	
							Additive Proppant	Type 20/40 WS		Amount 140,492.3	Units lb Sand Size 20/40	
13,376.0							Additive Proppant	Type 20/40 WS		Amount 140,492.3	Units lb Sand Size 20/40	
							Additive Proppant	Type 20/40 WS		Amount 140,492.3	Units lb Sand Size 20/40	
13,574.1							Additive Proppant	Type 20/40 WS		Amount 140,492.3	Units lb Sand Size 20/40	
							Additive Proppant	Type 20/40 WS		Amount 140,492.3	Units lb Sand Size 20/40	
13,700.1							Additive Proppant	Type 20/40 WS		Amount 140,492.3	Units lb Sand Size 20/40	
							Additive Proppant	Type 20/40 WS		Amount 140,492.3	Units lb Sand Size 20/40	
13,846.8							Additive Proppant	Type 20/40 WS		Amount 140,492.3	Units lb Sand Size 20/40	
							Additive Proppant	Type 20/40 WS		Amount 140,492.3	Units lb Sand Size 20/40	
13,861.9							Additive Proppant	Type 20/40 WS		Amount 140,492.3	Units lb Sand Size 20/40	
							Additive Proppant	Type 20/40 WS		Amount 140,492.3	Units lb Sand Size 20/40	



Lease Review  
Well Name: RAZOR 21B-0911

Well Number 051233953400		WPC ID 1CO0761116		Well Permit Number		Field Name DJ Horizontal Niobrara		County Weld		State CO																																																																																																																																																																																																																																																																																																																																																																																																																																																					
Well Configuration Type Lateral/Horizontal		Orig KB Elv (ft)		4,860.80		Ground Elevation (ft)		4,844.00		Casing Flange Elevation (ft)		Tubing Head Elevation (ft)		Total Depth (ftKB)		13,969.0																																																																																																																																																																																																																																																																																																																																																																																																																																															
Original Spud Date 9/26/2014		Completion Date 1/5/2015		Asset Group Redtail		Responsible Engineer Charles Ohlson		N/S Dist (ft)		328.0		N/S Ref FNL		E/W Dist (ft)		2,095.0		E/W Ref FEL																																																																																																																																																																																																																																																																																																																																																																																																																																													
Lot		Quarter 1 NW		Quarter 2 NE		Quarter 3		Quarter 4		Section 21		Section Suffix		Section Type		Township 10 N		Township N/S Dir		Range 58 W		Meridian																																																																																																																																																																																																																																																																																																																																																																																																																																									
Lateral/Horizontal - Original Hole, 4/7/2015 1:52:11 PM										Additive Proppant			Type 40/70 WS			Amount 3,090.7			Units lb		Sand Size 40/70																																																																																																																																																																																																																																																																																																																																																																																																																																										
MD (ftKB)	D (ft KB )	n (	c )	l (	Vertical schematic (actual)	Logs	Stg # 39		Start Date 1/4/2015		Top Depth (ftKB) 6,333.0		Bottom Depth (ftKB) 6,437.0		Vol Clean Pump (bbl) 2973.40		Vol Slurry (bbl) 3141.50																																																																																																																																																																																																																																																																																																																																																																																																																																														
							Additive Proppant		Type 20/40 WS		Amount 153,250.0		Units lb		Sand Size 20/40																																																																																																																																																																																																																																																																																																																																																																																																																																																
21.7	1,643.4	1,873.4	4,068.2	5,042.3	5,149.6	5,805.4	6,105.0	6,193.9	6,335.0	6,512.1	6,636.2	6,836.0	6,982.0	7,169.9	7,299.9	7,486.9	7,619.1	7,748.0	7,892.1	8,069.9	8,188.0	8,386.2	8,524.0	8,724.1	8,848.1	9,040.0	9,170.9	9,366.1	9,495.1	9,687.0	9,830.1	10,009.8	10,136.2	10,330.1	10,464.9	10,667.0	10,789.0	10,983.9	11,091.9	11,297.9	11,436.0	11,628.0	11,758.9	11,960.0	12,082.0	12,264.1	12,412.1	12,602.0	12,729.0	12,925.9	13,053.1	13,245.1	13,376.0	13,574.1	13,700.1	13,846.8	13,861.9																																																																																																																																																																																																																																																																																																																																																																																																						





Lease Review  
Well Name: RAZOR 21B-0911

API Number 051233953400	WPC ID 1C00761116	Well Permit Number	Field Name DJ Horizontal Niobrara	County Weld	State CO
Well Configuration Type Lateral/Horizontal	Orig KB Elv (ft) 4,860.80	Ground Elevation (ft) 4,844.00	Casing Flange Elevation (ft)	Tubing Head Elevation (ft)	Total Depth (ftKB) 13,969.0
Original Spud Date 9/26/2014	Completion Date 1/5/2015	Asset Group Redtail	Responsible Engineer Charles Ohlson	N/S Dist (ft) 328.0 N/S Ref FNL	E/W Dist (ft) 2,095.0 E/W Ref FEL
Lot	Quarter 1 NW	Quarter 2 NE	Quarter 3	Quarter 4	Section 21
			Section Suffix	Section Type	Township 10 N
					Range 58 W

Lateral/Horizontal - Original Hole, 4/7/2015 1:52:12 PM					Other In Hole					
MD (ftKB)	D (ft KB)	n c l (			Des	OD (in)	Run Date	Pull Date	Top (ftKB)	Btm (ftKB)
21.7					CFP	4	12/29/2014	1/10/2015	11,118.0	11,120.0
1,643.4				CFP	4	12/28/2014	1/10/2015	11,330.0	11,332.0	
1,873.4				CFP	4	12/28/2014	1/10/2015	11,531.0	11,533.0	
4,068.2				CFP	4	12/28/2014	1/10/2015	11,725.0	11,727.0	
5,042.3				CFP	4	12/28/2014	1/10/2015	11,919.0	11,921.0	
5,149.6				CFP	4	12/28/2014	1/10/2015	12,102.0	12,104.0	
5,805.4				CFP	4	12/27/2014	1/10/2015	12,304.0	12,306.0	
6,105.0				CFP	4	12/27/2014	1/10/2015	12,490.0	12,492.0	
6,193.9				CFP	4	12/27/2014	1/10/2015	12,695.0	12,697.0	
6,335.0				CFP	4	12/27/2014	1/10/2015	12,889.0	12,891.0	
6,512.1				CFP	4	12/27/2014	1/10/2015	13,083.0	13,085.0	
6,636.2				CFP	4	12/26/2014	1/10/2015	13,270.0	13,272.0	
6,836.0				CFP	4	12/26/2014	1/10/2015	13,464.0	13,466.0	
6,982.0				CFP	4	12/23/2014	1/10/2015	13,635.0	13,637.0	
7,169.9				Bottom Hole Cores						
7,299.9					Date	Core #	Top (ftKB)	Btm (ftKB)	Recov (ft)	
7,486.9										
7,619.1										
7,748.0										
7,892.1										
8,069.9										
8,188.0										
8,396.2										
8,524.0										
8,724.1										
8,848.1										
9,040.0										
9,170.9										
9,366.1										
9,495.1										
9,687.0										
9,830.1										
10,009.8										
10,136.2										
10,330.1										
10,464.9										
10,667.0										
10,789.0										
10,983.9										
11,091.9										
11,297.9										
11,436.0										
11,628.0										
11,758.9										
11,960.0										
12,082.0										
12,264.1										
12,412.1										
12,602.0										
12,729.0										
12,925.9										
13,053.1										
13,245.1										
13,376.0										
13,574.1										
13,700.1										
13,846.8										
13,861.9										