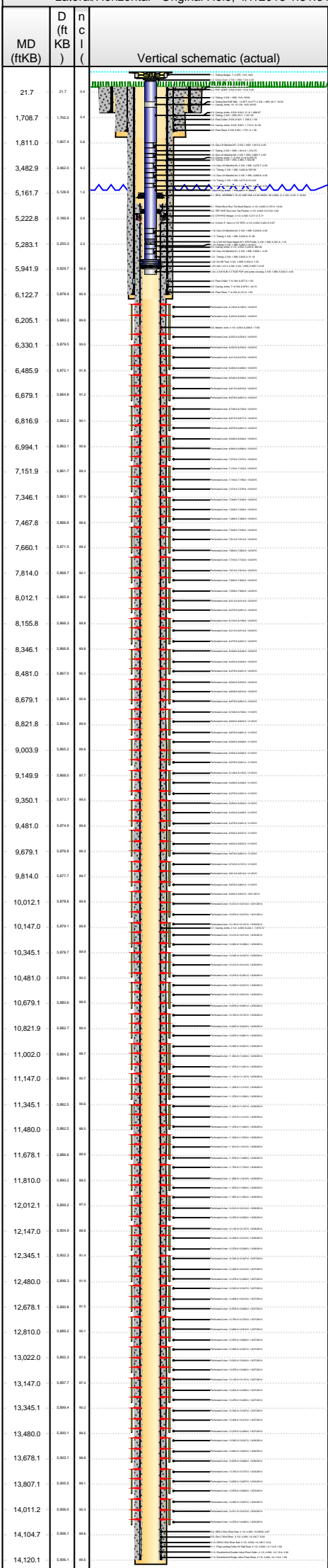




Lease Review  
Well Name: RAZOR 21B-0912

API Number 051233953100	WPC ID 1CO0761117	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) 14,175.0
Original Spud Date 9/16/2014	Completion Date 1/5/2015	Asset Group Redtail	Responsible Engineer Charles Ohlson	N/S Dist (ft) 329.0 N/S Ref FNL	E/W Dist (ft) 2,062.0 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 N
					Range 58
					Range E/W Dir W
					Meridian

Lateral/Horizontal - Original Hole, 4/7/2015 1:31:31 PM



Wellbore Sections

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	9/16/2014	13 1/2	96.8	1,767.0
Intermediate	Original Hole	9/17/2014	8 3/4	1,767.0	6,135.0
Lateral	Original Hole	9/21/2014	6	6,135.0	14,175.0

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, 1,752.8ftKB

OD (in)	Wt (lb/ft)	Grade	Top (ftKB)	Btm (ftKB)	Len (ft)	Item Des
9 5/8	36.00	J-55	16.9	16.9	0.00	LANDING JOINT
9 5/8	36.00	J-55	16.9	21.9	5.00	PUP JOINT
9 5/8	36.00	J-55	21.9	1,708.5	1,686.67	Casing Joints
9 5/8	36.00	J-55	1,708.5	1,710.0	1.50	Float Collar
9 5/8	36.00	J-55	1,710.0	1,751.3	41.28	Casing Joints
9 5/8	36.00	J-55	1,751.3	1,752.8	1.50	Float Shoe

Frac String, 5,187.4ftKB

OD (in)	Wt (lb/ft)	Grade	Top (ftKB)	Btm (ftKB)	Len (ft)	Item Des
5			5,161.7	5,187.4	25.63	SEAL ASSEMBLY IS 20' AND HAS A 5.80 NOGO .85 LONG

Intermediate Csg, 6,122.7ftKB

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	6,077.6	6,055.76	Casing Joints
7	29.00	L-80	6,077.6	6,079.1	1.50	Float Collar
7	29.00	L-80	6,079.1	6,121.2	42.15	Casing Joints
7	29.00	L-80	6,121.2	6,122.7	1.50	Float Shoe

Liner, 14,120.0ftKB

OD (in)	Wt (lb/ft)	Grade	Top (ftKB)	Btm (ftKB)	Len (ft)	Item Des
4 1/2	11.60	HCP-110	5,197.5	5,213.8	16.34	Polish Bore Rec/ Tie Back Sleeve
4 1/2	11.60	HCP-110	5,213.8	5,217.2	3.40	TSP WHT Set Liner Top Packer
4 1/2	11.60	HCP-110	5,217.2	5,222.9	5.71	CTH HYD Hanger
4 1/2	11.60	HCP-110	5,222.9	5,223.6	0.67	X-Over 5" Vam x 4 1/2" BTC
4 1/2	11.60	HCP-110	5,223.6	6,206.5	982.92	Casing Joints
4 1/2	11.60	HCP-110	6,206.5	6,224.1	17.60	Marker Joint
4 1/2	11.60	HCP-110	6,224.1	14,099.8	7,875.72	Casing Joints
4 1/2	11.60	HCP-110	14,099.8	14,104.7	4.87	GEN 2 Wet Shoe Sub
4 1/2	11.60	HCP-110	14,104.7	14,109.7	5.00	Gen 2 Wet Shoe
4 1/2	11.60	HCP-110	14,109.7	14,114.9	5.24	GEN 2 Wet Shoe Sub
4 1/2	11.60	HCP-110	14,114.9	14,116.4	1.50	Plug Landing Collar W/ Ball Seat
4 1/2	11.60	HCP-110	14,116.4	14,118.4	2.00	Weatherford Double Valve Float Collar
4 1/2	11.60	HCP-110	14,118.4	14,120.0	1.58	Weatherford 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	9/18/2014		16.8	1,752.8	Returns to Surface
Intermediate Casing Cement	9/21/2014		16.8	6,122.7	Returns to Surface
Liner Cement	9/25/2014		5,197.4	14,120.0	Volume Calculations

Perforations

Type of Hole	Date	Top (ftKB)	Btm (ftKB)	Zone
Perforated Liner	1/4/2015	6,183.0	6,185.0	Niobrara, Original Hole
Perforated Liner	1/4/2015	6,203.0	6,205.0	Niobrara, Original Hole
Perforated Liner	1/4/2015	6,252.0	6,254.0	Niobrara, Original Hole
Perforated Liner	1/4/2015	6,330.0	6,332.0	Niobrara, Original Hole
Perforated Liner	1/4/2015	6,413.0	6,415.0	Niobrara, Original Hole
Perforated Liner	1/4/2015	6,484.0	6,486.0	Niobrara, Original Hole
Perforated Liner	1/4/2015	6,546.0	6,548.0	Niobrara, Original Hole
Perforated Liner	1/4/2015	6,613.0	6,615.0	Niobrara, Original Hole



Lease Review  
Well Name: RAZOR 21B-0912

API Number 051233953100			WPC ID 1CO0761117			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 (ft)KB 14,175.0		
Original Spud Date 9/16/2014			Completion Date 1/5/2015		Asset Group Redtail			Responsible Engineer Charles Ohlson			N/S Dist (ft) 329.0		N/S Ref FNL	E/W Dist (ft) 2,062.0		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 1:31:32 PM						Perforations						
MD (ftKB)	D (ft KB )	n ( ft KB )	c ( ft KB )	l ( ft KB )	Vertical schematic (actual)	Logs	Type of Hole	Date	Top (ftKB)	Btm (ftKB)	Zone	
							Perforated Liner	1/4/2015	6,679.0	6,681.0	Niobrara, Original Hole	
							Perforated Liner	1/4/2015	6,746.0	6,748.0	Niobrara, Original Hole	
21.7	21.7	0.0					Perforated Liner	1/4/2015	6,815.0	6,817.0	Niobrara, Original Hole	
1,708.7	1,708.7	0.0					Perforated Liner	1/4/2015	6,879.0	6,881.0	Niobrara, Original Hole	
1,811.0	1,811.0	0.0					Perforated Liner	1/3/2015	6,946.0	6,948.0	Niobrara, Original Hole	
3,482.9	3,482.9	0.0					Perforated Liner	1/3/2015	6,994.0	6,996.0	Niobrara, Original Hole	
5,161.7	5,161.7	0.0					Perforated Liner	1/3/2015	7,070.0	7,072.0	Niobrara, Original Hole	
5,222.8	5,222.8	0.0					Perforated Liner	1/3/2015	7,150.0	7,152.0	Niobrara, Original Hole	
5,283.1	5,283.1	0.0					Perforated Liner	1/3/2015	7,194.0	7,196.0	Niobrara, Original Hole	
5,941.9	5,941.9	0.0					Perforated Liner	1/3/2015	7,274.0	7,276.0	Niobrara, Original Hole	
6,122.7	6,122.7	0.0					Perforated Liner	1/3/2015	7,346.0	7,348.0	Niobrara, Original Hole	
6,205.1	6,205.1	0.0					Perforated Liner	1/3/2015	7,426.0	7,428.0	Niobrara, Original Hole	
6,330.1	6,330.1	0.0					Perforated Liner	1/3/2015	7,466.0	7,468.0	Niobrara, Original Hole	
6,485.9	6,485.9	0.0					Perforated Liner	1/2/2015	7,546.0	7,548.0	Niobrara, Original Hole	
6,679.1	6,679.1	0.0					Perforated Liner	1/2/2015	7,612.0	7,614.0	Niobrara, Original Hole	
6,816.9	6,816.9	0.0					Perforated Liner	1/2/2015	7,660.0	7,662.0	Niobrara, Original Hole	
6,994.1	6,994.1	0.0					Perforated Liner	1/2/2015	7,740.0	7,742.0	Niobrara, Original Hole	
7,151.9	7,151.9	0.0					Perforated Liner	1/2/2015	7,812.0	7,814.0	Niobrara, Original Hole	
7,346.1	7,346.1	0.0					Perforated Liner	1/2/2015	7,890.0	7,892.0	Niobrara, Original Hole	
7,467.8	7,467.8	0.0					Perforated Liner	1/2/2015	7,958.0	7,960.0	Niobrara, Original Hole	
7,660.1	7,660.1	0.0					Perforated Liner	1/2/2015	8,012.0	8,014.0	Niobrara, Original Hole	
7,814.0	7,814.0	0.0					Perforated Liner	1/2/2015	8,079.0	8,081.0	Niobrara, Original Hole	
8,012.1	8,012.1	0.0					Perforated Liner	1/2/2015	8,154.0	8,156.0	Niobrara, Original Hole	
8,155.8	8,155.8	0.0					Perforated Liner	1/2/2015	8,212.0	8,214.0	Niobrara, Original Hole	
8,346.1	8,346.1	0.0					Perforated Liner	1/2/2015	8,279.0	8,281.0	Niobrara, Original Hole	
8,481.0	8,481.0	0.0					Perforated Liner	1/2/2015	8,346.0	8,348.0	Niobrara, Original Hole	
8,679.1	8,679.1	0.0					Perforated Liner	1/2/2015	8,402.0	8,404.0	Niobrara, Original Hole	
8,821.8	8,821.8	0.0					Perforated Liner	1/2/2015	8,479.0	8,481.0	Niobrara, Original Hole	
9,003.9	9,003.9	0.0					Perforated Liner	1/2/2015	8,550.0	8,552.0	Niobrara, Original Hole	
9,149.9	9,149.9	0.0					Perforated Liner	1/2/2015	8,608.0	8,610.0	Niobrara, Original Hole	
9,350.1	9,350.1	0.0					Perforated Liner	1/2/2015	8,679.0	8,681.0	Niobrara, Original Hole	
9,481.0	9,481.0	0.0					Perforated Liner	1/1/2015	8,746.0	8,748.0	Niobrara, Original Hole	
9,679.1	9,679.1	0.0					Perforated Liner	1/1/2015	8,820.0	8,822.0	Niobrara, Original Hole	
9,814.0	9,814.0	0.0					Perforated Liner	1/1/2015	8,879.0	8,881.0	Niobrara, Original Hole	
10,012.1	10,012.1	0.0					Perforated Liner	1/1/2015	8,946.0	8,948.0	Niobrara, Original Hole	
10,147.0	10,147.0	0.0					Perforated Liner	1/1/2015	9,004.0	9,006.0	Niobrara, Original Hole	
10,345.1	10,345.1	0.0					Perforated Liner	1/1/2015	9,079.0	9,081.0	Niobrara, Original Hole	
10,481.0	10,481.0	0.0					Perforated Liner	1/1/2015	9,148.0	9,150.0	Niobrara, Original Hole	
10,679.1	10,679.1	0.0					Perforated Liner	1/1/2015	9,206.0	9,208.0	Niobrara, Original Hole	
10,821.9	10,821.9	0.0					Perforated Liner	1/1/2015	9,279.0	9,281.0	Niobrara, Original Hole	
11,002.0	11,002.0	0.0					Perforated Liner	1/1/2015	9,350.0	9,352.0	Niobrara, Original Hole	
11,147.0	11,147.0	0.0					Perforated Liner	1/1/2015	9,404.0	9,406.0	Niobrara, Original Hole	
11,345.1	11,345.1	0.0					Perforated Liner	1/1/2015	9,479.0	9,481.0	Niobrara, Original Hole	
11,480.0	11,480.0	0.0					Perforated Liner	1/1/2015	9,545.0	9,547.0	Niobrara, Original Hole	
11,678.1	11,678.1	0.0					Perforated Liner	1/1/2015	9,620.0	9,622.0	Niobrara, Original Hole	
11,810.0	11,810.0	0.0					Perforated Liner	1/1/2015	9,679.0	9,681.0	Niobrara, Original Hole	
12,012.1	12,012.1	0.0					Perforated Liner	1/1/2015	9,745.0	9,747.0	Niobrara, Original Hole	
12,147.0	12,147.0	0.0					Perforated Liner	1/1/2015	9,812.0	9,814.0	Niobrara, Original Hole	
12,345.1	12,345.1	0.0					Perforated Liner	1/1/2015	9,879.0	9,881.0	Niobrara, Original Hole	
12,480.0	12,480.0	0.0					Perforated Liner	12/31/2014	9,945.0	9,947.0	Niobrara, Original Hole	
12,678.1	12,678.1	0.0					Perforated Liner	12/31/2014	10,012.0	10,014.0	Niobrara, Original Hole	
12,810.0	12,810.0	0.0					Perforated Liner	12/31/2014	10,070.0	10,072.0	Niobrara, Original Hole	
13,022.0	13,022.0	0.0					Perforated Liner	12/30/2014	10,145.0	10,147.0	Niobrara, Original Hole	
13,147.0	13,147.0	0.0					Perforated Liner	12/30/2014	10,212.0	10,214.0	Niobrara, Original Hole	
13,345.1	13,345.1	0.0					Perforated Liner	12/30/2014	10,264.0	10,266.0	Niobrara, Original Hole	
13,480.0	13,480.0	0.0					Perforated Liner	12/30/2014	10,345.0	10,347.0	Niobrara, Original Hole	
13,678.1	13,678.1	0.0					Perforated Liner	12/30/2014	10,412.0	10,414.0	Niobrara, Original Hole	
13,807.1	13,807.1	0.0					Perforated Liner	12/30/2014	10,479.0	10,481.0	Niobrara, Original Hole	
14,011.2	14,011.2	0.0					Perforated Liner	12/30/2014	10,545.0	10,547.0	Niobrara, Original Hole	
14,104.7	14,104.7	0.0					Perforated Liner	12/30/2014	10,612.0	10,614.0	Niobrara, Original Hole	
14,120.1	14,120.1	0.0					Perforated Liner	12/30/2014	10,679.0	10,681.0	Niobrara, Original Hole	
							Perforated Liner	12/29/2014	10,745.0	10,747.0	Niobrara, Original Hole	
							Perforated Liner	12/29/2014	10,820.0	10,822.0	Niobrara, Original Hole	
							Perforated Liner	12/29/2014	10,879.0	10,881.0	Niobrara, Original Hole	
							Perforated Liner	12/29/2014	10,945.0	10,947.0	Niobrara, Original Hole	
							Perforated Liner	12/29/2014	11,002.0	11,004.0	Niobrara, Original Hole	
							Perforated Liner	12/29/2014	11,079.0	11,081.0	Niobrara, Original Hole	
							Perforated Liner	12/29/2014	11,145.0	11,147.0	Niobrara, Original Hole	
							Perforated Liner	12/29/2014	11,208.0	11,210.0	Niobrara, Original Hole	
							Perforated Liner	12/29/2014	11,278.0	11,280.0	Niobrara, Original Hole	
							Perforated Liner	12/28/2014	11,345.0	11,347.0	Niobrara, Original Hole	



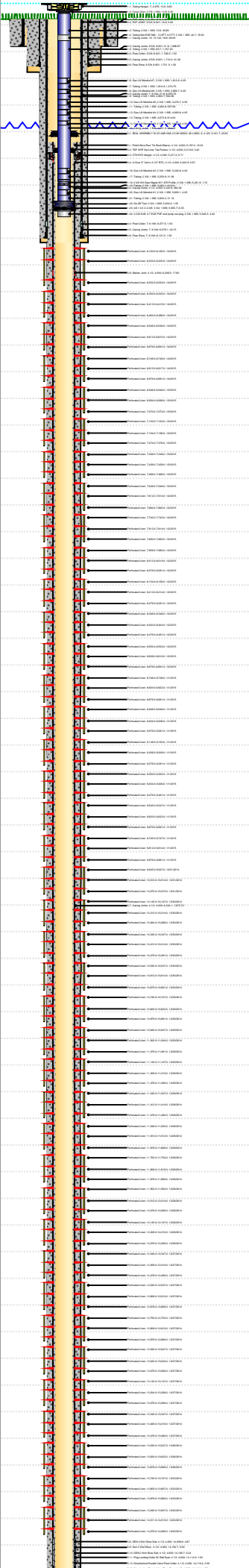
Lease Review  
Well Name: RAZOR 21B-0912

API Number 051233953100		WPC ID 1CO0761117		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) 14,175.0															
Original Spud Date 9/16/2014		Completion Date 1/5/2015		Asset Group Redtail		Responsible Engineer Charles Ohlson		N/S Dist (ft) 329.0		N/S Ref FNL		E/W Dist (ft) 2,062.0		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		Range E/W Dir W		Meridian	
Lateral/Horizontal - Original Hole, 4/7/2015 1:31:34 PM										Perforations															
MD (ftKB)		D (ftKB)		n (ft)		c (ft)		l (ft)		Vertical schematic (actual)		Logs		Type of Hole		Date		Top (ftKB)		Btm (ftKB)		Zone			
21.7	21.7	3.0												Perforated Liner	12/28/2014	11,412.0	11,414.0	Niobrara, Original Hole							
														Perforated Liner	12/28/2014	11,478.0	11,480.0	Niobrara, Original Hole							
1,708.7	1,705.5	3.0												Perforated Liner	12/28/2014	11,548.0	11,550.0	Niobrara, Original Hole							
														Perforated Liner	12/28/2014	11,610.0	11,612.0	Niobrara, Original Hole							
1,811.0	1,807.4	3.6												Perforated Liner	12/28/2014	11,678.0	11,680.0	Niobrara, Original Hole							
														Perforated Liner	12/28/2014	11,752.0	11,754.0	Niobrara, Original Hole							
3,482.9	3,480.0	3.0												Perforated Liner	12/28/2014	11,808.0	11,810.0	Niobrara, Original Hole							
														Perforated Liner	12/28/2014	11,878.0	11,880.0	Niobrara, Original Hole							
5,161.7	5,158.0	3.7												Perforated Liner	12/28/2014	11,952.0	11,954.0	Niobrara, Original Hole							
														Perforated Liner	12/28/2014	12,012.0	12,014.0	Niobrara, Original Hole							
5,222.8	5,219.0	3.8												Perforated Liner	12/28/2014	12,078.0	12,080.0	Niobrara, Original Hole							
														Perforated Liner	12/28/2014	12,145.0	12,147.0	Niobrara, Original Hole							
5,283.1	5,279.3	3.8												Perforated Liner	12/28/2014	12,208.0	12,210.0	Niobrara, Original Hole							
														Perforated Liner	12/28/2014	12,278.0	12,280.0	Niobrara, Original Hole							
5,941.9	5,937.7	4.2												Perforated Liner	12/27/2014	12,345.0	12,347.0	Niobrara, Original Hole							
														Perforated Liner	12/27/2014	12,408.0	12,410.0	Niobrara, Original Hole							
6,122.7	6,118.5	4.2												Perforated Liner	12/27/2014	12,478.0	12,480.0	Niobrara, Original Hole							
														Perforated Liner	12/27/2014	12,545.0	12,547.0	Niobrara, Original Hole							
6,205.1	6,200.9	4.2												Perforated Liner	12/27/2014	12,608.0	12,610.0	Niobrara, Original Hole							
														Perforated Liner	12/27/2014	12,678.0	12,680.0	Niobrara, Original Hole							
6,330.1	6,325.9	4.2												Perforated Liner	12/27/2014	12,750.0	12,752.0	Niobrara, Original Hole							
														Perforated Liner	12/27/2014	12,808.0	12,810.0	Niobrara, Original Hole							
6,485.9	6,481.7	4.2												Perforated Liner	12/27/2014	12,878.0	12,880.0	Niobrara, Original Hole							
														Perforated Liner	12/27/2014	12,945.0	12,947.0	Niobrara, Original Hole							
6,679.1	6,674.9	4.2												Perforated Liner	12/27/2014	13,022.0	13,024.0	Niobrara, Original Hole							
														Perforated Liner	12/27/2014	13,078.0	13,080.0	Niobrara, Original Hole							
6,816.9	6,812.7	4.2												Perforated Liner	12/27/2014	13,145.0	13,147.0	Niobrara, Original Hole							
														Perforated Liner	12/27/2014	13,204.0	13,206.0	Niobrara, Original Hole							
6,994.1	6,989.9	4.2												Perforated Liner	12/27/2014	13,278.0	13,280.0	Niobrara, Original Hole							
														Perforated Liner	12/27/2014	13,345.0	13,347.0	Niobrara, Original Hole							
7,151.9	7,147.7	4.2												Perforated Liner	12/27/2014	13,408.0	13,410.0	Niobrara, Original Hole							
														Perforated Liner	12/27/2014	13,478.0	13,480.0	Niobrara, Original Hole							
7,346.1	7,341.9	4.2												Perforated Liner	12/27/2014	13,545.0	13,547.0	Niobrara, Original Hole							
														Perforated Liner	12/26/2014	13,620.0	13,622.0	Niobrara, Original Hole							
7,467.8	7,463.6	4.2												Perforated Liner	12/26/2014	13,678.0	13,680.0	Niobrara, Original Hole							
														Perforated Liner	12/23/2014	13,745.0	13,747.0	Niobrara, Original Hole							
7,660.1	7,655.9	4.2												Perforated Liner	12/23/2014	13,805.0	13,807.0	Niobrara, Original Hole							
														Perforated Liner	12/23/2014	13,878.0	13,880.0	Niobrara, Original Hole							
7,814.0	7,809.8	4.2												Perforated Liner	12/23/2014	13,878.0	13,880.0	Niobrara, Original Hole							
														Perforated Liner	12/22/2014	13,945.0	13,947.0	Niobrara, Original Hole							
8,012.1	8,007.9	4.2												Perforated Liner	12/22/2014	14,011.0	14,013.0	Niobrara, Original Hole							
														Perforated Liner	12/22/2014	14,078.0	14,080.0	Niobrara, Original Hole							
8,147.0	8,142.8	4.2												Sand Frac on 12/22/2014 06:00											
														Comment									Min Top De...	Max Btm D...	Frac Length (ft)
10,345.1	10,340.9	4.2												Treatment End Date: 1/4/2015; Number of staged intervals: 40; Min frac gradient: 0.808 psi/ft; Number of perfs: 1440; Total 28% HCl used: 966 bbl; 79447 bbl QuadraFrac XL Gel, 12671 bbl QuadraFrac Linear Gel, 26849 bbl Slickwater											
																							6,183.0	14,080.0	7,897.00
10,481.0	10,476.8	4.2												Stim/Treat Fluids											
														QuadraFrac XL Gel; QuadraFrac Linear Gel; 28% HCL, <fluidtyp>											
10,679.1	10,674.9	4.2												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...											
10,821.9	10,817.7	4.2												5,640,020.0	119931.80	42.40	54.40	4,728.0	7,781.0	0.75					
														Stim/Treat Stages											
11,002.0	11,000.0	4.2												Stg #	Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Vol Clean Pump (bbl)	Vol Slurry (bbl)						
														1	12/22/2014	13,945.0	14,080.0	2724.90	2836.90						
11,147.0	11,145.0	4.2												Additive	Type	Amount	Units	Sand Size							
														Proppant	20/40 WS	100,967.0	lb	20/40							
11,345.1	11,343.1	4.2												Additive	Type	Amount	Units	Sand Size							
														Proppant	40/70 WS	3,088.4	lb	40/70							
11,480.0	11,478.0	4.2												Stg #	Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Vol Clean Pump (bbl)	Vol Slurry (bbl)						
														2	12/23/2014	13,745.0	13,880.0	3160.00	3268.20						
11,678.1	11,676.1	4.2												Additive	Type	Amount	Units	Sand Size							
														Proppant	20/40 WS	97,318.0	lb	20/40							
11,810.0	11,808.0	4.2												Additive	Type	Amount	Units	Sand Size							
														Proppant	40/70 WS	3,176.7	lb	40/70							
12,012.1	12,010.1	4.2												Stg #	Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Vol Clean Pump (bbl)	Vol Slurry (bbl)						
														3	12/26/2014	13,545.0	13,680.0	2934.90	3044.30						
12,147.0	12,145.0	4.2												Additive	Type	Amount	Units	Sand Size							
														Proppant	20/40 WS	98,867.0	lb	20/40							
12,345.1	12,343.1	4.2												Additive	Type	Amount	Units	Sand Size							
														Proppant	40/70 WS	2,729.8	lb	40/70							
12,480.0	12,478.0	4.2												Stg #	Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Vol Clean Pump (bbl)	Vol Slurry (bbl)						
														4	12/26/2014	13,345.0	13,480.0	3391.50	3557.10						
12,678.1	12,676.1	4.2												Additive	Type	Amount	Units	Sand Size							
														Proppant	20/40 WS	150,967.0	lb	20/40							
12,810.0	12,808.0	4.2												Additive	Type	Amount	Units	Sand Size							
														Proppant	40/70 WS	2,805.5	lb	40/70							
13,022.0	13,020.0	4.2												Stg #	Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Vol Clean Pump (bbl)	Vol Slurry (bbl)						
														5	12/27/2014	13,145.0	13,280.0	2342.30	2401.50						
13,147.0	13,145.0	4.2												Additive	Type	Amount	Units	Sand Size							
														Proppant	20/40 WS	52,141.0	lb	20/40							
13,345.1	13,343.1	4.2																							
13,480.0	13,478.0	4.2																							
13,678.1	13,676.1	4.2																							
13,807.1	13,805.1	4.2																							
14,011.2	14,009.2	4.2																							
14,104.7	14,102.7	4.2																							
14,120.1	14,118.1	4.2																							





Lease Review  
Well Name: RAZOR 21B-0912

Well Number 051233953100		WPC ID 1CO0761117		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) 14,175.0		
Original Spud Date 9/16/2014		Completion Date 1/5/2015		Asset Group Redtail		Responsible Engineer Charles Ohlson		N/S Dist (ft) 329.0 N/S Ref FNL		E/W Dist (ft) 2,062.0 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 1:31:35 PM						Additive Proppant		Type 40/70 WS		Amount 2,868.6	Units lb Sand Size 40/70	
MD (ftKB)	D (ft KB)	n (ft KB)	c (ft KB)	l (ft KB)	Vertical schematic (actual)	Logs	Stg #	Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Vol Clean Pump (bbl)	Vol Slurry (bbl)
							6	12/27/2014	12,945.0	13,080.0	2934.50	3096.80
21.7	21.7	3.3					Additive Proppant	Type 20/40 WS		Amount 147,907.0	Units lb Sand Size 20/40	
							Additive Proppant	Type 40/70 WS		Amount 2,798.1	Units lb Sand Size 40/70	
1,708.7	1,705.2	3.4					Stg #	Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Vol Clean Pump (bbl)	Vol Slurry (bbl)
							7	12/27/2014	12,750.0	12,880.0	3080.30	3251.30
1,811.0	1,807.4	3.6					Additive Proppant	Type 20/40 WS		Amount 155,941.0	Units lb Sand Size 20/40	
							Additive Proppant	Type 40/70 WS		Amount 2,919.1	Units lb Sand Size 40/70	
3,482.9	3,480.3	3.3					Stg #	Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Vol Clean Pump (bbl)	Vol Slurry (bbl)
							8	12/27/2014	12,545.0	12,680.0	2990.60	3074.00
5,161.7	5,158.3	3.2					Additive Proppant	Type 20/40 WS		Amount 74,545.0	Units lb Sand Size 20/40	
							Additive Proppant	Type 40/70 WS		Amount 2,930.6	Units lb Sand Size 40/70	
5,222.8	5,189.9	3.9					Stg #	Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Vol Clean Pump (bbl)	Vol Slurry (bbl)
							9	12/28/2014	12,345.0	12,480.0	2840.50	2986.10
5,283.1	5,250.3	3.2					Additive Proppant	Type 20/40 WS		Amount 132,462.0	Units lb Sand Size 20/40	
							Additive Proppant	Type 40/70 WS		Amount 2,766.6	Units lb Sand Size 40/70	
5,941.9	5,937.7	3.8					Stg #	Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Vol Clean Pump (bbl)	Vol Slurry (bbl)
							10	12/28/2014	12,145.0	12,280.0	3012.10	3184.30
6,122.7	6,079.3	3.8					Additive Proppant	Type 20/40 WS		Amount 157,108.0	Units lb Sand Size 20/40	
							Additive Proppant	Type 40/70 WS		Amount 2,806.6	Units lb Sand Size 40/70	
6,205.1	6,083.2	3.8					Stg #	Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Vol Clean Pump (bbl)	Vol Slurry (bbl)
							11	12/28/2014	11,952.0	12,080.0	3121.20	3290.90
6,330.1	6,073.0	3.0					Additive Proppant	Type 20/40 WS		Amount 154,770.0	Units lb Sand Size 20/40	
							Additive Proppant	Type 40/70 WS		Amount 2,885.4	Units lb Sand Size 40/70	
6,485.9	6,074.1	3.8					Stg #	Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Vol Clean Pump (bbl)	Vol Slurry (bbl)
							12	12/28/2014	11,752.0	11,880.0	3186.60	3363.50
6,679.1	6,064.9	3.2					Additive Proppant	Type 20/40 WS		Amount 161,434.0	Units lb Sand Size 20/40	
							Additive Proppant	Type 40/70 WS		Amount 2,847.6	Units lb Sand Size 40/70	
6,816.9	6,053.3	3.6					Stg #	Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Vol Clean Pump (bbl)	Vol Slurry (bbl)
							13	12/28/2014	11,548.0	11,680.0	3146.10	3320.60
6,994.1	6,023.1	3.0					Additive Proppant	Type 20/40 WS		Amount 159,195.0	Units lb Sand Size 20/40	
							Additive Proppant	Type 40/70 WS		Amount 2,891.7	Units lb Sand Size 40/70	
7,151.9	6,001.7	3.8					Stg #	Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Vol Clean Pump (bbl)	Vol Slurry (bbl)
							14	12/29/2014	11,345.0	11,480.0	3133.70	3307.00
7,346.1	5,993.1	3.8					Additive Proppant	Type 20/40 WS		Amount 157,926.0	Units lb Sand Size 20/40	
							Additive Proppant	Type 40/70 WS		Amount 3,048.4	Units lb Sand Size 40/70	
7,467.8	5,986.9	3.8					Stg #	Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Vol Clean Pump (bbl)	Vol Slurry (bbl)
							15	12/29/2014	11,145.0	11,280.0	2597.00	2676.00
7,660.1	5,971.5	3.6					Additive Proppant	Type 20/40 WS		Amount 70,363.0	Units lb Sand Size 20/40	
							Additive Proppant	Type 40/70 WS		Amount 3,013.7	Units lb Sand Size 40/70	
7,814.0	5,963.7	3.0					Stg #	Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Vol Clean Pump (bbl)	Vol Slurry (bbl)
							16	12/29/2014	10,945.0	11,081.0	3154.10	3329.60
8,012.1	5,955.9	3.6					Additive Proppant	Type 20/40 WS		Amount 160,083.0	Units lb Sand Size 20/40	
							Additive Proppant	Type 40/70 WS		Amount 2,936.9	Units lb Sand Size 40/70	
8,155.8	5,963.3	3.8					Stg #	Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Vol Clean Pump (bbl)	Vol Slurry (bbl)
							17	12/29/2014	10,745.0	10,881.0	3519.20	3690.20
8,346.1	5,988.9	3.8					Additive Proppant	Type 20/40 WS		Amount 155,903.0	Units lb Sand Size 20/40	
							Additive Proppant	Type 40/70 WS		Amount 2,901.2	Units lb Sand Size 40/70	
8,481.0	5,987.0	3.0					Stg #	Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Vol Clean Pump (bbl)	Vol Slurry (bbl)
							18	12/30/2014	10,545.0	10,681.0	2625.50	2716.90
8,679.1	5,985.4	3.6					Additive Proppant	Type 20/40 WS		Amount 82,067.0	Units lb Sand Size 20/40	
							Additive Proppant	Type 40/70 WS		Amount 2,844.4	Units lb Sand Size 40/70	
8,821.8	5,984.0	3.8					Stg #	Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Vol Clean Pump (bbl)	Vol Slurry (bbl)
							19	12/30/2014	10,345.0	10,481.0	3168.80	3342.30
9,003.9	5,985.3	3.8					Additive Proppant	Type 20/40 WS		Amount 158,270.0	Units lb Sand Size 20/40	
							Additive Proppant	Type 40/70 WS		Amount 2,861.2	Units lb Sand Size 40/70	
9,149.9	5,983.0	3.7					Stg #	Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Vol Clean Pump (bbl)	Vol Slurry (bbl)
							20	12/31/2014	10,145.0	10,266.0	3235.60	3396.10
9,350.1	5,973.7	3.8					Additive Proppant	Type 20/40 WS		Amount 146,027.0	Units lb Sand Size 20/40	
							Additive Proppant	Type 40/70 WS		Amount 3,026.3	Units lb Sand Size 40/70	
9,481.0	5,974.9	3.8					Stg #	Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Vol Clean Pump (bbl)	Vol Slurry (bbl)
							21	12/31/2014	9,945.0	10,072.0	2732.20	2841.40
9,679.1	5,976.9	3.8					Additive Proppant	Type 20/40 WS		Amount 98,664.0	Units lb Sand Size 20/40	
9,814.0	5,977.3	3.6										
10,012.1	5,976.0	3.8										
10,147.0	5,974.1	3.8										



Lease Review  
Well Name: RAZOR 21B-0912

API Number 051233953100			WPC ID 1CO0761117			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) 14,175.0							
Original Spud Date 9/16/2014			Completion Date 1/5/2015			Asset Group Redtail			Responsible Engineer Charles Ohlson			N/S Dist (ft) 329.0			N/S Ref FNL			E/W Dist (ft) 2,062.0			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 1:31:37 PM										Additive Proppant			Type 40/70 WS			Amount 2,796.0			Units lb			Sand Size 40/70			
MD (ftKB)		D (ft KB)		n ( )		c ( )		l ( )		Vertical schematic (actual)		Logs		Stg #		Start Date		Top Depth (ftKB)		Bottom Depth (ftKB)		Vol Clean Pump (bbl)		Vol Slurry (bbl)	
														22		12/31/2014		9,745.0		9,881.0		2718.30		2823.50	
														Additive Proppant				Type 20/40 WS		Amount 94,244.0		Units lb		Sand Size 20/40	
														Additive Proppant				Type 40/70 WS		Amount 3,504.8		Units lb		Sand Size 40/70	
														Stg #		Start Date		Top Depth (ftKB)		Bottom Depth (ftKB)		Vol Clean Pump (bbl)		Vol Slurry (bbl)	
														23		1/1/2015		9,545.0		9,681.0		3050.60		3221.20	
														Additive Proppant				Type 20/40 WS		Amount 156,463.0		Units lb		Sand Size 20/40	
														Additive Proppant				Type 40/70 WS		Amount 1,998.0		Units lb		Sand Size 40/70	
														Stg #		Start Date		Top Depth (ftKB)		Bottom Depth (ftKB)		Vol Clean Pump (bbl)		Vol Slurry (bbl)	
														24		1/1/2015		9,350.0		9,481.0		2996.10		3167.90	
														Additive Proppant				Type 20/40 WS		Amount 156,731.0		Units lb		Sand Size 20/40	
														Additive Proppant				Type 40/70 WS		Amount 2,854.9		Units lb		Sand Size 40/70	
														Stg #		Start Date		Top Depth (ftKB)		Bottom Depth (ftKB)		Vol Clean Pump (bbl)		Vol Slurry (bbl)	
														25		1/1/2015		9,148.0		9,281.0		3104.00		3273.90	
														Additive Proppant				Type 20/40 WS		Amount 154,759.0		Units lb		Sand Size 20/40	
														Additive Proppant				Type 40/70 WS		Amount 3,011.0		Units lb		Sand Size 40/70	
														Stg #		Start Date		Top Depth (ftKB)		Bottom Depth (ftKB)		Vol Clean Pump (bbl)		Vol Slurry (bbl)	
														26		1/1/2015		8,946.0		9,081.0		3065.00		3231.80	
														Additive Proppant				Type 20/40 WS		Amount 151,872.0		Units lb		Sand Size 20/40	
														Additive Proppant				Type 40/70 WS		Amount 3,015.8		Units lb		Sand Size 40/70	
														Stg #		Start Date		Top Depth (ftKB)		Bottom Depth (ftKB)		Vol Clean Pump (bbl)		Vol Slurry (bbl)	
														27		1/1/2015		8,746.0		8,881.0		3078.20		3249.90	
														Additive Proppant				Type 20/40 WS		Amount 156,847.0		Units lb		Sand Size 20/40	
														Additive Proppant				Type 40/70 WS		Amount 2,658.0		Units lb		Sand Size 40/70	
														Stg #		Start Date		Top Depth (ftKB)		Bottom Depth (ftKB)		Vol Clean Pump (bbl)		Vol Slurry (bbl)	
														28		1/1/2015		8,550.0		8,681.0		3018.60		3188.90	
														Additive Proppant				Type 20/40 WS		Amount 155,326.0		Units lb		Sand Size 20/40	
														Additive Proppant				Type 40/70 WS		Amount 2,825.5		Units lb		Sand Size 40/70	
														Stg #		Start Date		Top Depth (ftKB)		Bottom Depth (ftKB)		Vol Clean Pump (bbl)		Vol Slurry (bbl)	
														29		1/2/2015		8,346.0		8,481.0		3035.60		3210.30	
														Additive Proppant				Type 20/40 WS		Amount 159,385.0		Units lb		Sand Size 20/40	
														Additive Proppant				Type 40/70 WS		Amount 2,841.0		Units lb		Sand Size 40/70	
														Stg #		Start Date		Top Depth (ftKB)		Bottom Depth (ftKB)		Vol Clean Pump (bbl)		Vol Slurry (bbl)	
														30		1/2/2015		8,154.0		8,281.0		2974.10		3143.20	
														Additive Proppant				Type 20/40 WS		Amount 154,448.3		Units lb		Sand Size 20/40	
														Additive Proppant				Type 40/70 WS		Amount 2,606.8		Units lb		Sand Size 40/70	
														Stg #		Start Date		Top Depth (ftKB)		Bottom Depth (ftKB)		Vol Clean Pump (bbl)		Vol Slurry (bbl)	
														31		1/2/2015		7,958.0		8,081.0		2903.10		3074.30	
														Additive Proppant				Type 20/40 WS		Amount 156,254.0		Units lb		Sand Size 20/40	
														Additive Proppant				Type 40/70 WS		Amount 2,794.0		Units lb		Sand Size 40/70	
														Stg #		Start Date		Top Depth (ftKB)		Bottom Depth (ftKB)		Vol Clean Pump (bbl)		Vol Slurry (bbl)	
														32		1/2/2015		7,740.0		7,892.0		2926.50		3096.70	
														Additive Proppant				Type 20/40 WS		Amount 154,684.2		Units lb		Sand Size 20/40	
														Additive Proppant				Type 40/70 WS		Amount 3,416.4		Units lb		Sand Size 40/70	
														Stg #		Start Date		Top Depth (ftKB)		Bottom Depth (ftKB)		Vol Clean Pump (bbl)		Vol Slurry (bbl)	
														33		1/3/2015		7,546.0		7,662.0		2911.30		3081.50	
														Additive Proppant				Type 20/40 WS		Amount 155,001.0		Units lb		Sand Size 20/40	
														Additive Proppant				Type 40/70 WS		Amount 3,064.0		Units lb		Sand Size 40/70	
														Stg #		Start Date		Top Depth (ftKB)		Bottom Depth (ftKB)		Vol Clean Pump (bbl)		Vol Slurry (bbl)	
														34		1/3/2015		7,346.0		7,468.0		2891.00		3060.60	
														Additive Proppant				Type 20/40 WS		Amount 154,650.0		Units lb		Sand Size 20/40	
														Additive Proppant				Type 40/70 WS		Amount 2,837.0		Units lb		Sand Size 40/70	
														Stg #		Start Date		Top Depth (ftKB)		Bottom Depth (ftKB)		Vol Clean Pump (bbl)		Vol Slurry (bbl)	
														35		1/3/2015		7,150.0		7,276.0		2988.60		3162.00	
														Additive Proppant				Type 20/40 WS		Amount 158,076.0		Units lb		Sand Size 20/40	
														Additive Proppant				Type 40/70 WS		Amount 3,023.0		Units lb		Sand Size 40/70	
														Stg #		Start Date		Top Depth (ftKB)		Bottom Depth (ftKB)		Vol Clean Pump (bbl)		Vol Slurry (bbl)	
														36		1/3/2015		6,946.0		7,072.0		3548.40		3717.20	
														Additive Proppant				Type 20/40 WS		Amount 151,895.6		Units lb		Sand Size 20/40	
														Additive Proppant				Type 40/70 WS		Amount 4,930.7		Units lb		Sand Size 40/70	
														Stg #		Start Date		Top Depth (ftKB)		Bottom Depth (ftKB)		Vol Clean Pump (bbl)		Vol Slurry (bbl)	
														37		1/4/2015		6,746.0		6,881.0		2676.40		2799.20	
														Additive Proppant				Type 20/40 WS		Amount 111,210.0		Units lb		Sand Size 20/40	



Lease Review  
Well Name: RAZOR 21B-0912

API Number 051233953100				WPC ID 1CO0761117				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) 14,175.0							
Original Spud Date 9/16/2014				Completion Date 1/5/2015				Asset Group Redtail				Responsible Engineer Charles Ohlson				N/S Dist (ft) 329.0				N/S Ref FNL				E/W Dist (ft) 2,062.0				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 1:31:38 PM												Additive Proppant				Type 40/70 WS				Amount 2,838.0		Units lb		Sand Size 40/70							
MD (ftKB)		D (ft)		n (in)		c (in)		l (in)		Vertical schematic (actual)		Logs		Stg # 38		Start Date 1/4/2015		Top Depth (ftKB) 6,546.0		Bottom Depth (ftKB) 6,681.0		Vol Clean Pump (bbl) 2944.20		Vol Slurry (bbl) 3114.70							
21.7		21.7		3.0										Additive Proppant		Type 20/40 WS		Amount 151,837.4		Units lb		Sand Size 20/40									
1,708.7		1,708.7		5.0										Additive Proppant		Type 40/70 WS		Amount 6,509.0		Units lb		Sand Size 40/70									
1,811.0		1,811.0		5.0										Stg # 39		Start Date 1/4/2015		Top Depth (ftKB) 6,330.0		Bottom Depth (ftKB) 6,486.0		Vol Clean Pump (bbl) 3043.70		Vol Slurry (bbl) 3216.10							
3,482.9		3,482.9		5.0										Additive Proppant		Type 20/40 WS		Amount 157,306.0		Units lb		Sand Size 20/40									
5,161.7		5,161.7		1.2										Additive Proppant		Type 40/70 WS		Amount 2,801.0		Units lb		Sand Size 40/70									
5,222.8		5,222.8		0.9										Stg # 40		Start Date 1/4/2015		Top Depth (ftKB) 6,183.0		Bottom Depth (ftKB) 6,254.0		Vol Clean Pump (bbl) 3026.50		Vol Slurry (bbl) 3196.20							
5,283.1		5,283.1		2.2										Additive Proppant		Type 20/40 WS		Amount 154,749.6		Units lb		Sand Size 20/40									
5,941.9		5,941.9		0.8										Additive Proppant		Type 40/70 WS		Amount 2,887.5		Units lb		Sand Size 40/70									
6,122.7		6,122.7		0.8										Tubing - Production set at 5,946.4ftKB on 1/9/2015 06:00																	
6,205.1		6,205.1		0.8										Set Depth (ftKB) 5,946.4		Comment				Run Date 1/9/2015				Pull Date							
6,330.1		6,330.1		0.8										Item Des		OD (in)		ID (in)		Len (ft)		Top (ftKB)		Btm (ftKB)							
6,485.9		6,485.9		0.8										Tubing Hanger		7		2.875		0.60		13.0		13.6							
6,679.1		6,679.1		0.8										Cross Over		2 7/8		1.950		0.30		13.6		13.9							
6,816.9		6,816.9		0.8										Tubing		2 3/8		1.995		30.80		13.9		44.7							
6,994.1		6,994.1		0.8										Tubing Sub EUE N80 - 10.5FT, 8.5 FT		2 3/8		1.995		19.00		44.7		63.7							
7,151.9		7,151.9		0.8										Tubing		2 3/8		1.995		1,747.20		63.7		1,810.9							
7,346.1		7,346.1		0.8										Gas Lift Mandrel #7		2 3/8		1.995		4.05		1,810.9		1,815.0							
7,467.8		7,467.8		0.8										Tubing		2 3/8		1.995		1,074.75		1,815.0		2,889.7							
7,660.1		7,660.1		0.8										Gas Lift Mandrel #6		2 3/8		1.995		4.05		2,889.7		2,893.8							
7,814.0		7,814.0		0.8										Tubing		2 3/8		1.995		584.99		2,893.8		3,478.7							
8,012.1		8,012.1		0.8										Gas Lift Mandrel #5		2 3/8		1.995		4.05		3,478.7		3,482.8							
8,155.8		8,155.8		0.8										Tubing		2 3/8		1.995		587.06		3,482.8		4,069.9							
8,346.1		8,346.1		0.8										Gas Lift Mandrel #4		2 3/8		1.995		4.05		4,069.9		4,073.9							
8,481.0		8,481.0		0.8										Tubing		2 3/8		1.995		614.00		4,073.9		4,687.9							
8,679.1		8,679.1		0.8										Gas Lift Mandrel #3		2 3/8		1.995		4.05		4,687.9		4,692.0							
8,821.8		8,821.8		0.8										Tubing		2 3/8		1.995		554.89		4,692.0		5,246.8							
9,003.9		9,003.9		0.8										Gas Lift Mandrel #2		2 3/8		1.995		4.05		5,246.8		5,250.9							
9,149.9		9,149.9		0.8										Tubing		2 3/8		1.995		31.06		5,250.9		5,282.0							
9,350.1		9,350.1		0.8										2 3/8 WX Seat Nipple W/1.875 Profile		2 3/8		1.995		1.15		5,282.0		5,283.1							
9,481.0		9,481.0		0.8										Tubing		2 3/8		1.995		616.01		5,283.1		5,899.1							
9,679.1		9,679.1		0.8										Gas Lift Mandrel #1		2 3/8		1.995		4.05		5,899.1		5,903.2							
9,814.0		9,814.0		0.8										Tubing		2 3/8		1.995		31.18		5,903.2		5,934.3							
10,012.1		10,012.1		0.8										On-Off Tool		3 3/4		1.995		1.35		5,934.3		5,935.7							
10,147.0		10,147.0		0.8										AS-1 4.5 X 2-3/8		3 3/4		1.995		6.35		5,935.7		5,942.0							
10,345.1		10,345.1		0.8										2-3/8 N-80 4.7 EUE PUP and pump out plug		2 3/8		1.995		4.40		5,942.0		5,946.4							
10,481.0		10,481.0		0.8										Rod Strings																	
10,679.1		10,679.1		0.8										Rod Description				Run Date				Pull Date									
10,821.9		10,821.9		0.8										Item Des				OD (in)		Len (ft)		Top (ftKB)		Btm (ftKB)							
11,002.0		11,002.0		0.8																											
11,147.0		11,147.0		0.8										Other Strings																	
11,345.1		11,345.1		0.8										Set Depth (ftKB)		Comment				Run Date				Pull Date							
11,480.0		11,480.0		0.8										Item Des		OD (in)		Len (ft)		Top (ftKB)		Btm (ftKB)									
11,678.1		11,678.1		0.8																											
11,810.0		11,810.0		0.8										Des				OD (in)		Run Date		Pull Date		Top (ftKB)		Btm (ftKB)					
12,012.1		12,012.1		0.8										CFP				4		1/4/2015		1/7/2015		6,300.0		6,302.0					
12,147.0		12,147.0		0.8										CFP				4		1/4/2015		1/7/2015		6,518.0		6,520.0					
12,345.1		12,345.1		0.8										CFP				4		1/4/2015		1/7/2015		6,713.0		6,715.0					
12,480.0		12,480.0		0.8										CFP				4		1/3/2015		1/7/2015		6,913.0		6,915.0					
12,678.1		12,678.1		0.8										CFP				4		1/3/2015		1/7/2015		7,113.0		7,115.0					
12,810.0		12,810.0		0.8										CFP				4		1/2/2015		1/7/2015		7,312.0		7,314.0					
13,022.0		13,022.0		0.8										CFP				4		1/2/2015		1/7/2015		7,506.0		7,508.0					
13,147.0		13,147.0		0.8										CFP				4		1/2/2015		1/7/2015		7,704.0		7,706.0					
13,345.1		13,345.1		0.8										CFP				4		1/2/2015		1/7/2015		7,920.0		7,922.0					
13,480.0		13,480.0		0.8										CFP				4		1/2/2015		1/7/2015		8,116.0		8,118.0					
13,678.1		13,678.1		0.8										CFP				4		1/2/2015		1/7/2015		8,312.0		8,314.0					
13,807.1		13,807.1		0.8										CFP				4		1/2/2015		1/7/2015		8,512.0		8,514.0					
14,011.2		14,011.2		0.8										CFP				4		1/1/2015		1/7/2015		8,712.0		8,714.0					
14,104.7		14,104.7		0.8										CFP				4		1/1/2015		1/7/2015		8,912.0		8,914.0					
14,120.1		14,120.1		0.8										CFP				4		1/1/2015		1/7/2015		9,112.0		9,114.0					
														CFP				4		1/1/2015		1/7/2015		9,312.0		9,314.0					
														CFP				4		1/1/2015		1/7/2015		9,512.0		9,514.0					
														CFP				4		1/1/2015		1/7/2015		9,712.0		9,714.0					





Lease Review  
Well Name: RAZOR 21B-0912

API Number 051233953100	WPC ID 1CO0761117	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) 14,175.0
Original Spud Date 9/16/2014	Completion Date 1/5/2015	Asset Group Redtail	Responsible Engineer Charles Ohlson	N/S Dist (ft) 329.0 N/S Ref FNL	E/W Dist (ft) 2,062.0 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 1:31:39 PM					Other In Hole					
MD (ftKB)	D (ft KB)	n c l (			Des	OD (in)	Run Date	Pull Date	Top (ftKB)	Btm (ftKB)
			Vertical schematic (actual)	Logs	CFP	4	1/1/2015	1/7/2015	9,912.0	9,914.0
					CFP	4	12/31/2014	1/7/2015	10,108.0	10,110.0
21.7	21.7	3.4			CFP	4	12/31/2014	1/7/2015	10,302.0	10,304.0
1,708.7	1,705.5	5.4			CFP	4	12/30/2014	1/7/2015	10,482.0	10,484.0
1,811.0	1,807.4	5.6			CFP	4	12/30/2014	1/7/2015	10,712.0	10,714.0
3,482.9	3,480.5	8.3			CFP	4	12/29/2014	1/7/2015	10,912.0	10,914.0
5,161.7	5,158.5	1.2			CFP	4	12/29/2014	1/7/2015	11,112.0	11,114.0
5,222.8	5,189.9	0.9			CFP	4	12/29/2014	1/7/2015	11,312.0	11,314.0
5,283.1	5,250.3	2.3			CFP	4	12/28/2014	1/7/2015	11,512.0	11,514.0
5,941.9	5,934.7	0.8			CFP	4	12/28/2014	1/7/2015	11,712.0	11,714.0
6,122.7	6,079.3	0.8			CFP	4	12/28/2014	1/7/2015	11,912.0	11,914.0
6,205.1	6,189.3	0.8			CFP	4	12/28/2014	1/7/2015	12,112.0	12,114.0
6,330.1	6,279.5	0.8			CFP	4	12/28/2014	1/7/2015	12,312.0	12,314.0
6,485.9	6,474.1	0.8			CFP	4	12/28/2014	1/7/2015	12,512.0	12,514.0
6,679.1	6,664.9	0.2			CFP	4	12/27/2014	1/7/2015	12,712.0	12,714.0
6,816.9	6,803.3	0.1			CFP	4	12/27/2014	1/7/2015	12,912.0	12,914.0
6,994.1	6,982.1	0.6			CFP	4	12/27/2014	1/7/2015	12,912.0	12,914.0
7,151.9	7,140.7	0.8			CFP	4	12/27/2014	1/7/2015	13,111.0	13,113.0
7,346.1	7,340.1	0.8			CFP	4	12/27/2014	1/7/2015	13,311.0	13,313.0
7,467.8	7,466.5	0.8			CFP	4	12/27/2014	1/7/2015	13,311.0	13,313.0
7,660.1	7,651.5	0.2			CFP	4	12/27/2014	1/7/2015	13,511.0	13,513.0
7,814.0	7,803.7	0.1			CFP	4	12/27/2014	1/7/2015	13,511.0	13,513.0
8,012.1	8,005.9	0.2			CFP	4	12/27/2014	1/7/2015	13,711.0	13,713.0
8,155.8	8,158.3	0.8			CFP	4	12/27/2014	1/7/2015	13,711.0	13,713.0
8,346.1	8,388.9	0.8			CFP	4	12/27/2014	1/7/2015	13,911.0	13,913.0
8,481.0	8,507.0	0.6			CFP	4	12/26/2014	1/7/2015	13,911.0	13,913.0
8,679.1	8,654.4	0.6			CFP	4	12/26/2014	1/7/2015	13,911.0	13,913.0
8,821.8	8,864.0	0.8			CFP	4	12/23/2014	1/7/2015	13,911.0	13,913.0
9,003.9	9,085.0	0.8			Bottom Hole Cores					
9,149.9	9,188.0	0.7			Date	Core #	Top (ftKB)	Btm (ftKB)	Recov (ft)	
9,350.1	9,373.7	0.8								
9,481.0	9,474.9	0.6								
9,679.1	9,679.6	0.3								
9,814.0	9,877.3	0.7								
10,012.1	9,979.6	0.8								
10,147.0	9,974.1	0.8								
10,345.1	9,973.7	0.8								
10,481.0	9,976.9	0.2								
10,679.1	9,980.6	0.8								
10,821.9	9,982.7	0.6								
11,002.0	9,984.0	0.7								
11,147.0	9,984.0	0.7								
11,345.1	9,982.0	0.6								
11,480.0	9,982.0	0.6								
11,678.1	9,986.6	0.8								
11,810.0	9,989.2	0.8								
12,012.1	9,999.2	0.7								
12,147.0	9,994.9	0.8								
12,345.1	9,992.3	0.4								
12,480.0	9,993.0	0.3								
12,678.1	9,993.8	0.5								
12,810.0	9,993.2	0.1								
13,022.0	9,992.3	0.7								
13,147.0	9,997.7	0.4								
13,345.1	9,999.4	0.2								
13,480.0	9,992.1	0.6								
13,678.1	9,995.1	0.8								
13,807.1	9,995.0	0.1								
14,011.2	9,996.0	0.3								
14,104.7	9,996.1	0.6								
14,120.1	9,996.1	0.6								