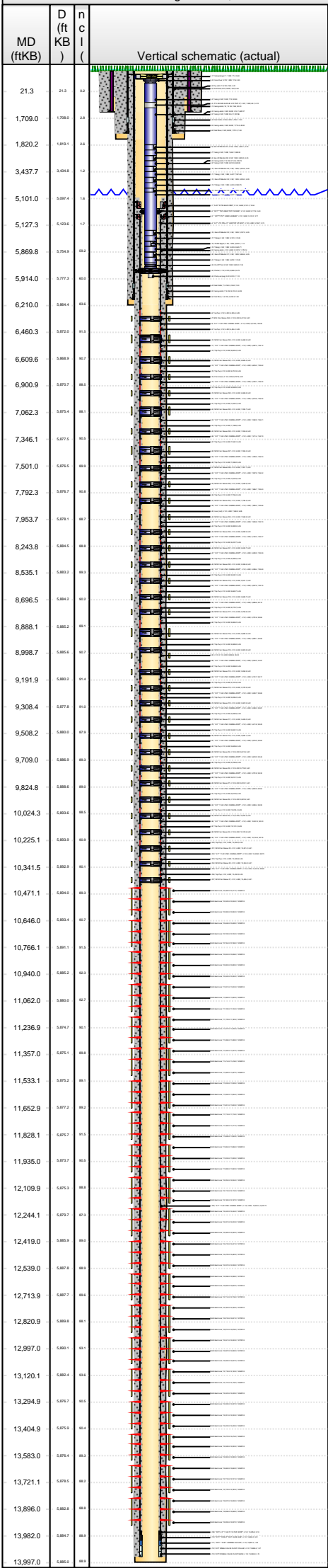




Lease Review
Well Name: RAZOR 21B-0910

API Number 051233953200		WPC ID 1CO0761115			Well Permit Number			Field Name DJ Horizontal Niobrara			County Weld		State CO	
Well Configuration Type Lateral/Horizontal				Orig KB Elv (ft) 4,854.10		Ground Elevation (ft) 4,837.30		Casing Flange Elevation (ft)		Tubing Head Elevation (ft)		Total Depth (ftKB) 13,997.0		
Original Spud Date 10/5/2014		Completion Date 12/17/2014		Asset Group Redtail			Responsible Engineer Charles Ohlson			N/S Dist (ft) 328.0		N/S Ref FNL	E/W Dist (ft) 2,128.0	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, 3/13/2015 2:18:31 PM



Logs

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	10/5/2014	13 1/2	96.8	1,770.0
Intermediate	Original Hole	10/6/2014	8 3/4	1,770.0	6,210.0
Lateral	Original Hole	10/9/2014	6 1/8	6,210.0	13,997.0

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, 1,753.0ftKB

OD (in)	Wt (lb/ft)	Grade	Top (ftKB)	Btm (ftKB)	Len (ft)	Item Des
9 5/8	40.00	J-55	16.8	16.8	0.00	Landing Joint
9 5/8	40.00	J-55	16.8	21.8	5.00	Well head
9 5/8	40.00	J-55	21.8	1,709.1	1,687.27	Casing Joints
9 5/8	40.00	J-55	1,709.1	1,710.6	1.50	Float Collar
9 5/8	40.00	J-55	1,710.6	1,751.5	40.93	Casing Joints
9 5/8	40.00	J-55	1,751.5	1,753.0	1.50	Float Shoe

Intermediate Csg, 6,197.0ftKB

OD (in)	Wt (lb/ft)	Grade	Top (ftKB)	Btm (ftKB)	Len (ft)	Item Des
7	29.00	HCP-110	16.8	16.8	0.00	Landing Joint
7	29.00	HCP-110	16.8	21.2	4.40	Pup Joint
7	29.00	HCP-110	21.2	6,149.9	6,128.72	Casing Joints
7	29.00	HCP-110	6,149.9	6,151.4	1.50	Float Collar
7	29.00	HCP-110	6,151.4	6,195.5	44.09	Casing Joints
7	29.00	HCP-110	6,195.5	6,197.0	1.50	Float Shoe

Liner, 13,992.0ftKB

OD (in)	Wt (lb/ft)	Grade	Top (ftKB)	Btm (ftKB)	Len (ft)	Item Des
5 1/4	11.60	HCP-110	5,101.3	5,117.6	16.34	"5.25" ID TIE BACK PBR"
4 1/2	11.60	HCP-110	5,117.6	5,121.0	3.40	"WFT" "TSP LINER TOP PACKER"
4 1/2	11.60	HCP-110	5,121.0	5,126.7	5.71	" WFT" "CTH" LINER HANGER"
4 1/2	11.60	HCP-110	5,126.7	5,127.5	0.74	"4.5" LTC PIN x 5" VAM TOP HT BOX"
4 1/2	11.60	HCP-110	5,127.5	6,305.6	1,178.14	Casing Joints
4 1/2	11.60	HCP-110	6,305.6	6,311.6	6.05	Top Pup
4 1/2	11.60	HCP-110	6,311.6	6,318.5	6.81	NCS Frac Sleeve #34
4 1/2	11.60	HCP-110	6,318.5	6,454.4	135.95	"4.5" 11.6# LT&C CASING JOINT"
4 1/2	11.60	HCP-110	6,454.4	6,460.5	6.05	Top Pup
4 1/2	11.60	HCP-110	6,460.5	6,467.3	6.81	NCS Frac Sleeve #33
4 1/2	11.60	HCP-110	6,467.3	6,603.4	136.12	"4.5" 11.6# LT&C CASING JOINT"
4 1/2	11.60	HCP-110	6,603.4	6,609.4	6.05	Top Pup
4 1/2	11.60	HCP-110	6,609.4	6,616.2	6.81	NCS Frac Sleeve #32
4 1/2	11.60	HCP-110	6,616.2	6,751.9	135.62	"4.5" 11.6# LT&C CASING JOINT"
4 1/2	11.60	HCP-110	6,751.9	6,757.9	6.05	Top Pup
4 1/2	11.60	HCP-110	6,757.9	6,764.7	6.81	Frac sleeve
4 1/2	11.60	HCP-110	6,764.7	6,900.8	136.05	"4.5" 11.6# LT&C CASING JOINT"
4 1/2	11.60	HCP-110	6,900.8	6,906.8	6.05	Top Pup
4 1/2	11.60	HCP-110	6,906.8	6,913.6	6.81	NCS Frac Sleeve #30
4 1/2	11.60	HCP-110	6,913.6	7,049.7	136.05	"4.5" 11.6# LT&C CASING JOINT"
4 1/2	11.60	HCP-110	7,049.7	7,055.7	6.05	Top Pup
4 1/2	11.60	HCP-110	7,055.7	7,062.5	6.81	NCS Frac Sleeve #29
4 1/2	11.60	HCP-110	7,062.5	7,198.6	136.01	"4.5" 11.6# LT&C CASING JOINT"



Lease Review
Well Name: RAZOR 21B-0910

P/I Number 051233953200		WPC ID 1CO0761115		Well Permit Number		Field Name DJ Horizontal Niobrara		County Weld		State CO					
Well Configuration Type Lateral/Horizontal				Orig KB Elv (ft) 4,854.10		Ground Elevation (ft) 4,837.30		Casing Flange Elevation (ft)		Tubing Head Elevation (ft)		Total Depth (ftKB) 13,997.0			
Original Spud Date 10/5/2014		Completion Date 12/17/2014		Asset Group Redtail		Responsible Engineer Charles Ohlson		N/S Dist (ft) 328.0		N/S Ref FNL		E/W Dist (ft) 2,128.0		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, 3/13/2015 2:18:33 PM						OD (in)	Wt (lb/ft)	Grade	Top (ftKB)	Btm (ftKB)	Len (ft)	Item Des			
MD (ftKB)	D (ft KB)	n (ft KB)	c (ft KB)	l (ft KB)	Vertical schematic (actual)	Logs	4 1/2	11.60	HCP-110	7,198.6	7,204.6	6.05	Top Pup		
							4 1/2	11.60	HCP-110	7,204.6	7,211.4	6.81	NCS Frac Sleeve #28		
21.3	21.3	0.0					4 1/2	11.60	HCP-110	7,211.4	7,346.1	134.70	"4.5"" 11.6# LT&C CASING JOINT"		
1,709.0	1,709.0	2.8		4 1/2			11.60	HCP-110	7,346.1	7,352.2	6.05	Top Pup			
1,820.2	1,820.2	2.8		4 1/2			11.60	HCP-110	7,352.2	7,359.0	6.81	NCS Frac Sleeve #27			
3,437.7	3,437.7	1.0		4 1/2			11.60	HCP-110	7,359.0	7,495.0	136.03	"4.5"" 11.6# LT&C CASING JOINT"			
5,101.0	5,101.0	1.6		4 1/2			11.60	HCP-110	7,495.0	7,501.1	6.05	Top Pup			
5,127.3	5,127.3	1.7		4 1/2			11.60	HCP-110	7,501.1	7,507.9	6.81	NCS Frac Sleeve #26			
5,869.8	5,869.8	98.0		4 1/2			11.60	HCP-110	7,507.9	7,643.9	136.02	"4.5"" 11.6# LT&C CASING JOINT"			
5,914.0	5,914.0	98.0		4 1/2			11.60	HCP-110	7,643.9	7,649.9	6.05	Top Pup			
6,210.0	6,210.0	98.0		4 1/2			11.60	HCP-110	7,649.9	7,656.7	6.81	NCS Frac Sleeve #25			
6,460.3	6,460.3	98.0		4 1/2			11.60	HCP-110	7,656.7	7,792.4	135.63	"4.5"" 11.6# LT&C CASING JOINT"			
6,609.6	6,609.6	98.0		4 1/2			11.60	HCP-110	7,792.4	7,798.4	6.05	Top Pup			
6,900.9	6,900.9	98.0		4 1/2			11.60	HCP-110	7,798.4	7,805.2	6.81	NCS Frac Sleeve #24			
7,062.3	7,062.3	98.0		4 1/2			11.60	HCP-110	7,805.2	7,940.9	135.66	"4.5"" 11.6# LT&C CASING JOINT"			
7,346.1	7,346.1	98.0		4 1/2			11.60	HCP-110	7,940.9	7,946.9	6.05	Liner (red)			
7,501.0	7,501.0	98.0		4 1/2			11.60	HCP-110	7,946.9	7,953.8	6.81	NCS Frac Sleeve #23			
7,792.3	7,792.3	98.0		4 1/2			11.60	HCP-110	7,953.8	8,089.5	135.70	"4.5"" 11.6# LT&C CASING JOINT"			
7,953.7	7,953.7	98.0		4 1/2			11.60	HCP-110	8,089.5	8,095.5	6.05	Top Pup			
8,243.8	8,243.8	98.0		4 1/2			11.60	HCP-110	8,095.5	8,102.3	6.81	NCS Frac Sleeve #22			
8,535.1	8,535.1	98.0		4 1/2			11.60	HCP-110	8,102.3	8,237.7	135.37	"4.5"" 11.6# LT&C CASING JOINT"			
8,696.5	8,696.5	98.0		4 1/2			11.60	HCP-110	8,237.7	8,243.7	6.05	Top Pup			
8,888.1	8,888.1	98.0		4 1/2			11.60	HCP-110	8,243.7	8,250.5	6.81	NCS Frac Sleeve #21			
8,998.7	8,998.7	98.0		4 1/2			11.60	HCP-110	8,250.5	8,386.5	135.99	"4.5"" 11.6# LT&C CASING JOINT"			
9,191.9	9,191.9	98.0		4 1/2			11.60	HCP-110	8,386.5	8,392.6	6.05	Top Pup			
9,308.4	9,308.4	98.0		4 1/2			11.60	HCP-110	8,392.6	8,399.4	6.81	NCS Frac Sleeve #20			
9,508.2	9,508.2	98.0		4 1/2			11.60	HCP-110	8,399.4	8,535.1	135.69	"4.5"" 11.6# LT&C CASING JOINT"			
9,709.0	9,709.0	98.0		4 1/2			11.60	HCP-110	8,535.1	8,541.1	6.05	Top Pup			
9,824.8	9,824.8	98.0		4 1/2			11.60	HCP-110	8,541.1	8,547.9	6.81	NCS Frac Sleeve #19			
10,024.3	10,024.3	98.0		4 1/2			11.60	HCP-110	8,547.9	8,683.7	135.75	"4.5"" 11.6# LT&C CASING JOINT"			
10,225.1	10,225.1	98.0		4 1/2			11.60	HCP-110	8,683.7	8,689.7	6.05	Top Pup			
10,341.5	10,341.5	98.0		4 1/2			11.60	HCP-110	8,689.7	8,696.6	6.81	NCS Frac Sleeve #18			
10,471.1	10,471.1	98.0		4 1/2			11.60	HCP-110	8,696.6	8,778.7	82.18	"4.5"" 11.6# LT&C CASING JOINT"			
10,646.0	10,646.0	98.0		4 1/2			11.60	HCP-110	8,778.7	8,784.8	6.05	Top Pup			
10,766.1	10,766.1	98.0		4 1/2			11.60	HCP-110	8,784.8	8,791.6	6.81	NCS Frac Sleeve #17			
10,940.0	10,940.0	98.0		4 1/2			11.60	HCP-110	8,791.6	8,882.2	90.64	"4.5"" 11.6# LT&C CASING JOINT"			
11,062.0	11,062.0	98.0		4 1/2			11.60	HCP-110	8,882.2	8,888.3	6.05	Top Pup			
11,236.9	11,236.9	98.0		4 1/2			11.60	HCP-110	8,888.3	8,895.1	6.81	NCS Frac Sleeve #16			
11,357.0	11,357.0	98.0		4 1/2	11.60	HCP-110	8,895.1	8,985.8	90.68	"4.5"" 11.6# LT&C CASING JOINT"					
11,533.1	11,533.1	98.0		4 1/2	11.60	HCP-110	8,985.8								
11,652.9	11,652.9	98.0		4 1/2	11.60	HCP-110									
11,828.1	11,828.1	98.0		4 1/2	11.60	HCP-110									
11,935.0	11,935.0	98.0		4 1/2	11.60	HCP-110									
12,109.9	12,109.9	98.0		4 1/2	11.60	HCP-110									
12,244.1	12,244.1	98.0		4 1/2	11.60	HCP-110									
12,419.0	12,419.0	98.0		4 1/2	11.60	HCP-110									
12,539.0	12,539.0	98.0		4 1/2	11.60	HCP-110									
12,713.9	12,713.9	98.0		4 1/2	11.60	HCP-110									
12,820.9	12,820.9	98.0		4 1/2	11.60	HCP-110									
12,997.0	12,997.0	98.0		4 1/2	11.60	HCP-110									
13,120.1	13,120.1	98.0		4 1/2	11.60	HCP-110									
13,294.9	13,294.9	98.0		4 1/2	11.60	HCP-110									
13,404.9	13,404.9	98.0		4 1/2	11.60	HCP-110									
13,583.0	13,583.0	98.0		4 1/2	11.60	HCP-110									
13,721.1	13,721.1	98.0		4 1/2	11.60	HCP-110									
13,896.0	13,896.0	98.0		4 1/2	11.60	HCP-110									
13,982.0	13,982.0	98.0		4 1/2	11.60	HCP-110									
13,997.0	13,997.0	98.0		4 1/2	11.60	HCP-110									

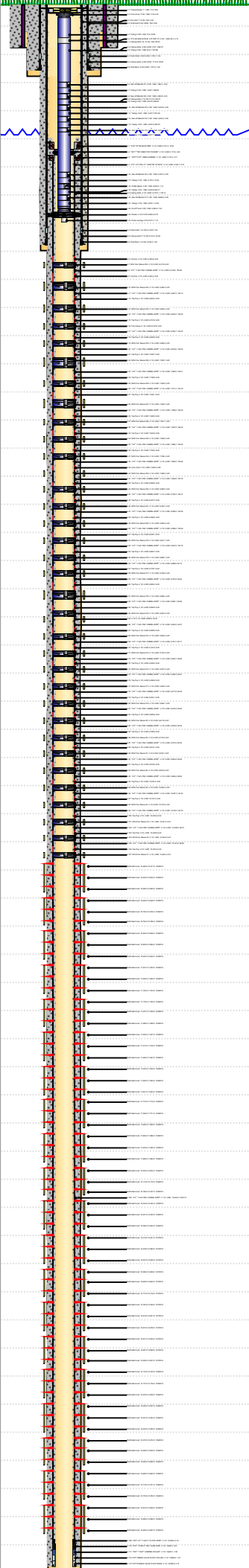


Lease Review
Well Name: RAZOR 21B-0910

API Number 051233953200				WPC ID 1CO0761115				Well Permit Number				Field Name DJ Horizontal Niobrara				County Weld		State CO							
Well Configuration Type Lateral/Horizontal						Orig KB Elv (ft) 4,854.10		Ground Elevation (ft) 4,837.30		Casing Flange Elevation (ft)				Tubing Head Elevation (ft)		Total Depth (ftKB) 13,997.0									
Original Spud Date 10/5/2014				Completion Date 12/17/2014		Asset Group Redtail				Responsible Engineer Charles Ohlson				N/S Dist (ft) 328.0		N/S Ref FNL		E/W Dist (ft) 2,128.0		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, 3/13/2015 2:18:36 PM												OD (in)	Wt (lb/ft)	Grade	Top (ftKB)	Btm (ftKB)	Len (ft)	Item Des							
MD (ftKB)	D (ft KB)	n c l ()	Vertical schematic (actual)									Logs		4 1/2	11.60	HCP-110	8,985.8	8,991.8	6.05	Top Pup					
														4 1/2	11.60	HCP-110	8,991.8	8,998.6	6.81	NCS Frac Sleeve #15					
21.3	21.3	0.2												4 1/2	11.60	HCP-110	8,998.6	9,044.0	45.33	4 1/2					
1,709.0	1,708.0	2.8												4 1/2	11.60	HCP-110	9,044.0	9,088.8	44.87	"4.5"" 11.6# LT&C CASING JOINT"					
1,820.2	1,819.1	2.8												4 1/2	11.60	HCP-110	9,088.8	9,094.9	6.05	Top Pup					
3,437.7	3,434.8	1.2												4 1/2	11.60	HCP-110	9,088.8	9,101.7	6.81	NCS Frac Sleeve #14					
5,101.0	5,100.4	1.6												4 1/2	11.60	HCP-110	9,101.7	9,191.9	90.17	"4.5"" 11.6# LT&C CASING JOINT"					
5,127.3	5,125.6	1.7												4 1/2	11.60	HCP-110	9,191.9	9,197.9	6.05	Top Pup					
5,869.8	5,864.9	98.0												4 1/2	11.60	HCP-110	9,197.9	9,204.7	6.81	NCS Frac Sleeve #13					
5,914.0	5,912.3	98.0												4 1/2	11.60	HCP-110	9,204.7	9,295.4	90.69	"4.5"" 11.6# LT&C CASING JOINT"					
6,210.0	6,208.4	98.8												4 1/2	11.60	HCP-110	9,295.4	9,301.5	6.05	Top Pup					
6,460.3	6,457.0	94.0												4 1/2	11.60	HCP-110	9,301.5	9,308.3	6.81	NCS Frac Sleeve #12					
6,609.6	6,606.9	98.7												4 1/2	11.60	HCP-110	9,308.3	9,398.9	90.67	"4.5"" 11.6# LT&C CASING JOINT"					
6,900.9	6,897.3	98.0												4 1/2	11.60	HCP-110	9,398.9	9,405.0	6.05	Top Pup					
7,062.3	7,057.4	98.1												4 1/2	11.60	HCP-110	9,405.0	9,411.8	6.81	NCS Frac Sleeve #11					
7,346.1	7,341.0	98.0												4 1/2	11.60	HCP-110	9,411.8	9,502.1	90.29	"4.5"" 11.6# LT&C CASING JOINT"					
7,501.0	7,495.2	98.0												4 1/2	11.60	HCP-110	9,502.1	9,515.0	6.81	NCS Frac Sleeve #10					
7,792.3	7,787.2	98.0												4 1/2	11.60	HCP-110	9,515.0	9,605.6	90.64	"4.5"" 11.6# LT&C CASING JOINT"					
7,953.7	7,948.1	98.7												4 1/2	11.60	HCP-110	9,605.6	9,611.6	6.05	Top Pup					
8,243.8	8,238.5	98.0												4 1/2	11.60	HCP-110	9,611.6	9,618.5	6.81	NCS Frac Sleeve #9					
8,535.1	8,530.2	98.0												4 1/2	11.60	HCP-110	9,618.5	9,708.9	90.46	"4.5"" 11.6# LT&C CASING JOINT"					
8,696.5	8,691.5	98.0												4 1/2	11.60	HCP-110	9,708.9	9,715.0	6.05	Top Pup					
8,888.1	8,883.2	98.1												4 1/2	11.60	HCP-110	9,715.0	9,721.8	6.81	NCS Frac Sleeve #8					
8,998.7	8,993.7	98.7												4 1/2	11.60	HCP-110	9,721.8	9,812.1	90.30	"4.5"" 11.6# LT&C CASING JOINT"					
9,191.9	9,187.0	98.0												4 1/2	11.60	HCP-110	9,812.1	9,818.1	6.05	Top Pup					
9,308.4	9,303.4	98.0												4 1/2	11.60	HCP-110	9,818.1	9,824.9	6.81	NCS Frac Sleeve #7					
9,508.2	9,503.0	98.0												4 1/2	11.60	HCP-110	9,824.9	9,915.6	90.64	"4.5"" 11.6# LT&C CASING JOINT"					
9,709.0	9,703.9	98.0												4 1/2	11.60	HCP-110	9,915.6	9,921.6	6.05	Top Pup					
9,824.8	9,819.6	98.0												4 1/2	11.60	HCP-110	9,921.6	9,928.4	6.81	NCS Frac Sleeve #6					
10,024.3	10,019.0	98.0												4 1/2	11.60	HCP-110	9,928.4	10,018.4	89.95	"4.5"" 11.6# LT&C CASING JOINT"					
10,225.1	10,219.9	98.0												4 1/2	11.60	HCP-110	10,018.4	10,024.4	6.05	Top Pup					
10,341.5	10,336.2	98.1												4 1/2	11.60	HCP-110	10,024.4	10,031.2	6.81	NCS Frac Sleeve #5					
10,471.1	10,465.8	98.0												4 1/2	11.60	HCP-110	10,031.2	10,121.5	90.30	"4.5"" 11.6# LT&C CASING JOINT"					
10,646.0	10,640.7	98.0												4 1/2	11.60	HCP-110	10,121.5	10,127.6	6.05	Top Pup					
10,766.1	10,760.8	98.0			4 1/2	11.60	HCP-110	10,127.6	10,134.4	6.81	NCS Frac Sleeve #4														
10,940.0	10,934.7	98.0			4 1/2	11.60	HCP-110	10,134.4	10,225.2	90.76	"4.5"" 11.6# LT&C CASING JOINT"														
11,062.0	11,056.7	98.0			4 1/2	11.60	HCP-110	10,225.2	10,231.2	6.05	Top Pup														
11,236.9	11,231.6	98.1			4 1/2	11.60	HCP-110	10,231.2	10,238.0	6.81	NCS Frac Sleeve #3														
11,357.0	11,351.7	98.0			4 1/2	11.60	HCP-110																		
11,533.1	11,527.8	98.1			4 1/2	11.60	HCP-110																		
11,652.9	11,647.6	98.0			4 1/2	11.60	HCP-110																		
11,828.1	11,822.8	98.0			4 1/2	11.60	HCP-110																		
11,935.0	11,929.7	98.0			4 1/2	11.60	HCP-110																		
12,109.9	12,104.6	98.0			4 1/2	11.60	HCP-110																		
12,244.1	12,238.8	98.0			4 1/2	11.60	HCP-110																		
12,419.0	12,413.7	98.0			4 1/2	11.60	HCP-110																		
12,539.0	12,533.7	98.0			4 1/2	11.60	HCP-110																		
12,713.9	12,708.6	98.0			4 1/2	11.60	HCP-110																		
12,820.9	12,815.6	98.1			4 1/2	11.60	HCP-110																		
12,997.0	12,991.7	98.1			4 1/2	11.60	HCP-110																		
13,120.1	13,114.8	98.0			4 1/2	11.60	HCP-110																		
13,294.9	13,289.6	98.0			4 1/2	11.60	HCP-110																		
13,404.9	13,399.6	98.0			4 1/2	11.60	HCP-110																		
13,583.0	13,577.7	98.0			4 1/2	11.60	HCP-110																		
13,721.1	13,715.8	98.0			4 1/2	11.60	HCP-110																		
13,896.0	13,890.7	98.0			4 1/2	11.60	HCP-110																		
13,982.0	13,976.7	98.0			4 1/2	11.60	HCP-110																		
13,997.0	13,991.7	98.0																							



Lease Review
Well Name: RAZOR 21B-0910

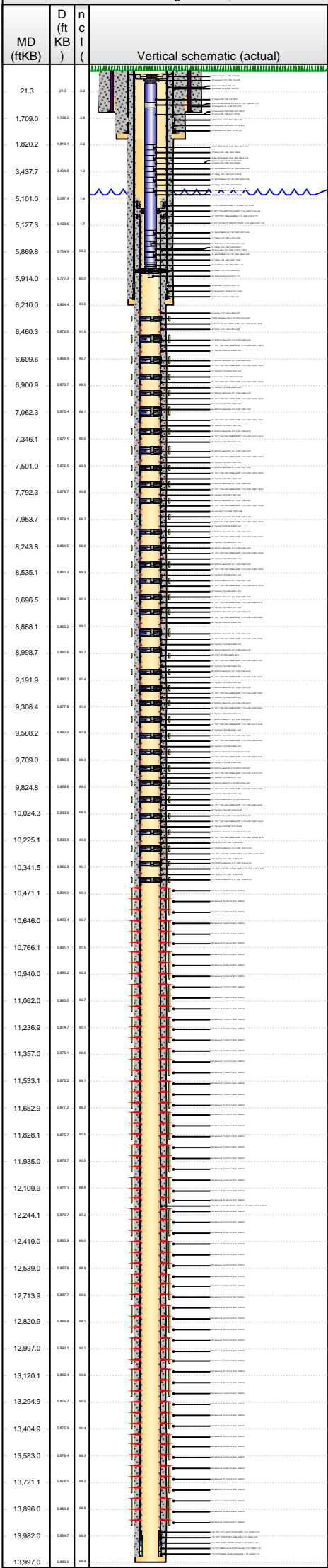
API Number 051233953200		WPC ID 1CO0761115		Well Permit Number		Field Name DJ Horizontal Niobrara		County Weld		State CO						
Well Configuration Type Lateral/Horizontal				Orig KB Elv (ft) 4,854.10		Ground Elevation (ft) 4,837.30		Casing Flange Elevation (ft)		Tubing Head Elevation (ft)		Total Depth (ftKB) 13,997.0				
Original Spud Date 10/5/2014		Completion Date 12/17/2014		Asset Group Redtail		Responsible Engineer Charles Ohlson		N/S Dist (ft) 328.0		N/S Ref FNL		E/W Dist (ft) 2,128.0		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, 3/13/2015 2:18:39 PM							OD (in)	Wt (lb/ft)	Grade	Top (ftKB)	Btm (ftKB)	Len (ft)	Item Des			
MD (ftKB)	D (ft KB)	n c l (				4 1/2	11.60	HCP-110	10,238.0	10,328.8	90.73	"4.5"" 11.6# LT&C CASING JOINT"			
							4 1/2	11.60	HCP-110	10,328.8	10,334.8	6.05	Top Pup			
21.3	21.3	3.2					4 1/2	11.60	HCP-110	10,334.8	10,341.6	6.81	NCS Frac Sleeve #2			
1,709.0	1,708.0	2.8					4 1/2	11.60	HCP-110	10,341.6	10,432.3	90.69	"4.5"" 11.6# LT&C CASING JOINT"			
1,820.2	1,819.1	2.6					4 1/2	11.60	HCP-110	10,432.3	10,438.4	6.05	Top Pup			
3,437.7	3,434.8	1.2					4 1/2	11.60	HCP-110	10,438.4	10,445.2	6.81	NCS Frac Sleeve #1			
5,101.0	5,097.4	1.6					4 1/2	11.60	HCP-110	10,445.2	13,976.9	3,531.73	"4.5"" 11.6# LT&C CASING JOINT"			
5,127.3	5,123.6	1.7					4 1/2			13,976.9	13,982.0	5.10	"WFT 4.5"" 11.6# P-110 PUP JOINT"			
5,869.8	5,764.9	198.0					4 1/2			13,982.0	13,987.0	5.01	"WFT ""WSS-II"" WET SHOE SUB"			
5,914.0	5,777.3	360.0					4 1/2			13,987.0	13,988.6	1.58	"WFT "" PLB"" LANDING COLLAR"			
6,210.0	5,864.4	324.0					4 1/2			13,988.6	13,989.9	1.27	WFT SINGLE VALVE FLOAT COLLAR			
6,460.3	5,972.0	391.0					4 1/2			13,989.9	13,992.0	2.15	WFT DOUBLE VALVE FLOAT SHOE			
6,609.6	5,888.9	360.0														
6,900.9	5,870.7	386.0														
7,062.3	5,875.4	380.0														
7,346.1	5,877.0	360.0														
7,501.0	5,876.2	388.0														
7,792.3	5,876.7	388.0														
7,953.7	5,876.1	360.0														
8,243.8	5,884.5	388.0														
8,535.1	5,883.0	380.0														
8,696.5	5,884.2	360.0														
8,888.1	5,885.2	380.0														
8,998.7	5,885.6	360.0														
9,191.9	5,882.2	374.0														
9,308.4	5,877.6	360.0														
9,508.2	5,880.0	370.0														
9,709.0	5,886.0	380.0														
9,824.8	5,888.6	380.0														
10,024.3	5,883.6	380.0														
10,225.1	5,883.0	360.0														
10,341.5	5,882.9	380.0														
10,471.1	5,884.0	380.0														
10,646.0	5,882.4	360.0														
10,766.1	5,881.1	390.0														
10,940.0	5,885.0	380.0														
11,062.0	5,886.0	360.0														
11,236.9	5,874.7	380.0														
11,357.0	5,875.1	380.0														
11,533.1	5,875.2	380.0														
11,652.9	5,877.0	380.0														
11,828.1	5,875.7	390.0														
11,935.0	5,872.7	360.0														
12,109.9	5,875.0	388.0														
12,244.1	5,876.7	390.0														
12,419.0	5,885.0	380.0														
12,539.0	5,887.6	388.0														
12,713.9	5,887.7	390.0														
12,820.9	5,888.8	380.0														
12,997.0	5,886.1	380.0														
13,120.1	5,882.4	390.0														
13,294.9	5,876.7	360.0														
13,404.9	5,875.0	388.0														
13,583.0	5,876.4	390.0														
13,721.1	5,876.0	380.0														
13,896.0	5,882.6	388.0														
13,982.0	5,884.7	390.0														
13,997.0	5,885.0	388.0														
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							10/6/2014				16.8		1,753.0		Returns to Surface	
Intermediate Casing Cement							10/8/2014				16.8		6,197.0		Returns to Surface	
Liner Cement							10/13/2014				5,101.0		13,992.0		Volume Calculations	
Perforations																
Type of Hole							Date		Top (ftKB)		Btm (ftKB)		Zone			
Perforated Liner							12/9/2014		10,469.0		10,471.0		Niobrara, Original Hole			
Perforated Liner							12/9/2014		10,520.0		10,522.0		Niobrara, Original Hole			
Perforated Liner							12/9/2014		10,580.0		10,582.0		Niobrara, Original Hole			
Perforated Liner							12/9/2014		10,646.0		10,648.0		Niobrara, Original Hole			
Perforated Liner							12/9/2014		10,700.0		10,702.0		Niobrara, Original Hole			
Perforated Liner							12/9/2014		10,764.0		10,766.0		Niobrara, Original Hole			
Perforated Liner							12/9/2014		10,824.0		10,826.0		Niobrara, Original Hole			
Perforated Liner							12/9/2014		10,883.0		10,885.0		Niobrara, Original Hole			
Perforated Liner							12/9/2014		10,940.0		10,942.0		Niobrara, Original Hole			
Perforated Liner							12/9/2014		11,001.0		11,003.0		Niobrara, Original Hole			
Perforated Liner							12/9/2014		11,060.0		11,062.0		Niobrara, Original Hole			
Perforated Liner							12/9/2014		11,100.0		11,102.0		Niobrara, Original Hole			
Perforated Liner							12/9/2014		11,178.0		11,180.0		Niobrara, Original Hole			
Perforated Liner							12/9/2014		11,237.0		11,239.0		Niobrara, Original Hole			
Perforated Liner							12/9/2014		11,286.0		11,288.0		Niobrara, Original Hole			
Perforated Liner							12/9/2014		11,355.0		11,357.0		Niobrara, Original Hole			
Perforated Liner							12/9/2014		11,414.0		11,416.0		Niobrara, Original Hole			
Perforated Liner							12/9/2014		11,465.0		11,467.0		Niobrara, Original Hole			
Perforated Liner							12/8/2014		11,533.0		11,535.0		Niobrara, Original Hole			
Perforated Liner							12/8/2014		11,592.0		11,594.0		Niobrara, Original Hole			
Perforated Liner							12/8/2014		11,651.0		11,653.0		Niobrara, Original Hole			
Perforated Liner							12/8									



Lease Review
Well Name: RAZOR 21B-0910

API Number 051233953200		WPC ID 1CO0761115			Well Permit Number			Field Name DJ Horizontal Niobrara			County Weld		State CO	
Well Configuration Type Lateral/Horizontal				Orig KB Elv (ft) 4,854.10		Ground Elevation (ft) 4,837.30		Casing Flange Elevation (ft)		Tubing Head Elevation (ft)		Total Depth (ftKB) 13,997.0		
Original Spud Date 10/5/2014		Completion Date 12/17/2014		Asset Group Redtail			Responsible Engineer Charles Ohlson			N/S Dist (ft) 328.0		N/S Ref FNL	E/W Dist (ft) 2,128.0	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, 3/13/2015 2:18:42 PM



Perforations

Type of Hole	Date	Top (ftKB)	Btm (ftKB)	Zone
Perforated Liner	12/7/2014	12,763.0	12,765.0	Niobrara, Original Hole
Perforated Liner	12/7/2014	12,819.0	12,821.0	Niobrara, Original Hole
Perforated Liner	12/7/2014	12,874.0	12,876.0	Niobrara, Original Hole
Perforated Liner	12/7/2014	12,941.0	12,943.0	Niobrara, Original Hole
Perforated Liner	12/7/2014	12,997.0	12,999.0	Niobrara, Original Hole
Perforated Liner	12/7/2014	13,055.0	13,057.0	Niobrara, Original Hole
Perforated Liner	12/6/2014	13,118.0	13,120.0	Niobrara, Original Hole
Perforated Liner	12/6/2014	13,174.0	13,176.0	Niobrara, Original Hole
Perforated Liner	12/6/2014	13,223.0	13,225.0	Niobrara, Original Hole
Perforated Liner	12/6/2014	13,295.0	13,297.0	Niobrara, Original Hole
Perforated Liner	12/6/2014	13,351.0	13,353.0	Niobrara, Original Hole
Perforated Liner	12/6/2014	13,403.0	13,405.0	Niobrara, Original Hole
Perforated Liner	12/6/2014	13,472.0	13,474.0	Niobrara, Original Hole
Perforated Liner	12/6/2014	13,528.0	13,530.0	Niobrara, Original Hole
Perforated Liner	12/6/2014	13,583.0	13,585.0	Niobrara, Original Hole
Perforated Liner	12/6/2014	13,660.0	13,662.0	Niobrara, Original Hole
Perforated Liner	12/6/2014	13,719.0	13,721.0	Niobrara, Original Hole
Perforated Liner	12/6/2014	13,778.0	13,780.0	Niobrara, Original Hole
Perforated Liner	12/5/2014	13,837.0	13,839.0	Niobrara, Original Hole
Perforated Liner	12/5/2014	13,896.0	13,898.0	Niobrara, Original Hole
Perforated Liner	12/5/2014	13,955.0	13,957.0	Niobrara, Original Hole

Sand Frac on 12/5/2014 06:00

Comment	Min Top De...	Max Btm D...	Frac Length (ft)
Treatment End Date:12/16/2014; Number of staged intervals: 54; Min frac gradient: 0.798 psi/ft; Number of perfs: 720; Number of sleeves: 34; Total 15% HCl used: 464 bbl; 95645 bbl QuadraFrac XL Gel, 15922 bbl QuadraFrac Linear Gel, 32674 bbl Slickwater	6,311.6	13,957.0	

Stim/Treat Fluids

QuadraFrac XL Gel; QuadraFrac Linear Gel; 15% HCL, <fluidtyp>					
Proppant Frm (lb)	Total Clean Vol...	Avg Treat Rate...	Max Treat Rate...	Avg Treat Press...	P Max (psi)
6,403,661.0	144705.30	31.50	56.50	5,000.0	8,825.0
					Frac Gradient (p... 0.75

Stim/Treat Stages

Stg #	Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Vol Clean Pump (bbl)	Vol Slurry (bbl)
1	12/5/2014	13,837.0	13,957.0	4246.00	4370.90
Additive		Type	Amount	Units	Sand Size
Proppant		20/40 WS	109,634.0	lb	20/40
Additive		Type	Amount	Units	Sand Size
Proppant		40/70 WS	6,337.9	lb	40/70
2	12/5/2014	13,660.0	13,780.0	2962.20	3080.90
Additive		Type	Amount	Units	Sand Size
Proppant		20/40 WS	107,335.0	lb	20/40
Additive		Type	Amount	Units	Sand Size
Proppant		40/70 WS	2,887.8	lb	40/70
3	12/6/2014	13,472.0	13,585.0	2999.80	3123.50
Additive		Type	Amount	Units	Sand Size
Proppant		20/40 WS	111,890.0	lb	20/40
Additive		Type	Amount	Units	Sand Size
Proppant		40/70 WS	3,001.1	lb	40/70
4	12/6/2014	13,295.0	13,405.0	3114.80	3267.80
Additive		Type	Amount	Units	Sand Size
Proppant		20/40 WS	139,065.0	lb	20/40
Additive		Type	Amount	Units	Sand Size
Proppant		40/70 WS	3,050.4	lb	40/70
5	12/6/2014	13,118.0	13,225.0	3374.10	3561.00
Additive		Type	Amount	Units	Sand Size
Proppant		20/40 WS	170,747.0	lb	20/40
Additive		Type	Amount	Units	Sand Size
Proppant		40/70 WS	2,825.9	lb	40/70
6	12/7/2014	12,941.0	13,057.0	3279.80	3468.90
Additive		Type	Amount	Units	Sand Size
Proppant		20/40 WS	172,683.0	lb	20/40
Additive		Type	Amount	Units	Sand Size
Proppant		40/70 WS	2,996.9	lb	40/70
7	12/7/2014	12,763.0	12,876.0	2790.50	2919.80
Additive		Type	Amount	Units	Sand Size
Proppant		20/40 WS	117,008.0	lb	20/40
Additive		Type	Amount	Units	Sand Size
Proppant		40/70 WS	3,075.6	lb	40/70
8	12/7/2014	12,596.0	12,716.0	3248.10	3431.90
Additive		Type	Amount	Units	Sand Size
Proppant		20/40 WS	167,780.0	lb	20/40
Additive		Type	Amount	Units	Sand Size
Proppant		40/70 WS	2,986.4	lb	40/70
9	12/7/2014	12,419.0	12,539.0	3311.00	3498.50
Additive		Type	Amount	Units	Sand Size
Proppant		20/40 WS	171,516.0	lb	20/40

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Lease Review
Well Name: RAZOR 21B-0910

API Number 051233953200		WPC ID 1CO0761115		Well Permit Number		Field Name DJ Horizontal Niobrara		County Weld		State CO							
Well Configuration Type Lateral/Horizontal				Orig KB Elv (ft) 4,854.10		Ground Elevation (ft) 4,837.30		Casing Flange Elevation (ft)		Tubing Head Elevation (ft)		Total Depth (ftKB) 13,997.0					
Original Spud Date 10/5/2014		Completion Date 12/17/2014		Asset Group Redtail		Responsible Engineer Charles Ohlson			N/S Dist (ft) 328.0		N/S Ref FNL		E/W Dist (ft) 2,128.0		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, 3/13/2015 2:18:48 PM							Additive Proppant		Type 40/70 WS		Amount 2,519.0		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)	
							26	12/12/2014		9,921.6		9,928.4		2010.20		2101.80	
21.3	21.3	3.2					Additive Proppant		Type 20/40 WS		Amount 83,000.0		Units lb		Sand Size 20/40		
1,709.0	1,708.0	2.8					Additive Proppant		Type 40/70 WS		Amount 2,047.6		Units lb		Sand Size 40/70		
1,820.2	1,819.1	2.8					27	12/12/2014		9,818.1		9,824.9		2192.20		2311.60	
3,437.7	3,436.8	1.2					Additive Proppant		Type 20/40 WS		Amount 108,372.0		Units lb		Sand Size 20/40		
5,101.0	5,100.4	1.6					Additive Proppant		Type 40/70 WS		Amount 2,520.0		Units lb		Sand Size 40/70		
5,127.3	5,125.8	1.7					28	12/12/2014		9,715.0		9,721.8		1740.00		1828.20	
5,869.8	5,868.9	98.5					Additive Proppant		Type 20/40 WS		Amount 79,184.0		Units lb		Sand Size 20/40		
5,914.0	5,912.9	98.5					Additive Proppant		Type 40/70 WS		Amount 2,715.8		Units lb		Sand Size 40/70		
6,210.0	6,208.4	98.8					29	12/12/2014		9,611.6		9,618.5		2181.20		2300.40	
6,460.3	6,459.2	94.5					Additive Proppant		Type 20/40 WS		Amount 107,846.0		Units lb		Sand Size 20/40		
6,609.6	6,608.9	96.7					Additive Proppant		Type 40/70 WS		Amount 2,886.0		Units lb		Sand Size 40/70		
6,900.9	6,899.3	98.5					30	12/13/2014		9,508.1		9,515.0		2101.50		2218.20	
7,062.3	7,061.4	98.1					Additive Proppant		Type 20/40 WS		Amount 105,463.3		Units lb		Sand Size 20/40		
7,346.1	7,345.5	98.5					Additive Proppant		Type 40/70 WS		Amount 2,925.6		Units lb		Sand Size 40/70		
7,501.0	7,500.2	98.6					31	12/13/2014		9,405.0		9,411.8		1742.20		1817.70	
7,792.3	7,791.7	98.8					Additive Proppant		Type 20/40 WS		Amount 67,222.0		Units lb		Sand Size 20/40		
7,953.7	7,953.1	98.7					Additive Proppant		Type 40/70 WS		Amount 2,897.0		Units lb		Sand Size 40/70		
8,243.8	8,243.2	98.8					32	12/13/2014		9,301.5		9,308.3		74.90		74.90	
8,535.1	8,534.2	98.3					Additive		Type		Amount		Units		Sand Size		
8,696.5	8,695.7	98.3					33	12/13/2014		9,197.9		9,204.7		2117.00		2201.10	
8,888.1	8,887.2	98.1					Additive Proppant		Type 20/40 WS		Amount 74,988.0		Units lb		Sand Size 20/40		
8,998.7	8,998.0	96.7					Additive Proppant		Type 40/70 WS		Amount 3,100.0		Units lb		Sand Size 40/70		
9,191.9	9,191.3	97.4					34	12/13/2014		9,094.9		9,101.7		2330.30		2448.40	
9,308.4	9,307.8	97.0					Additive Proppant		Type 20/40 WS		Amount 106,820.3		Units lb		Sand Size 20/40		
9,508.2	9,507.5	97.8					Additive Proppant		Type 40/70 WS		Amount 2,886.8		Units lb		Sand Size 40/70		
9,709.0	9,708.3	98.5					35	12/13/2014		8,998.6		9,044.0		2376.30		2498.90	
9,824.8	9,824.0	98.0					Additive Proppant		Type 20/40 WS		Amount 111,220.0		Units lb		Sand Size 20/40		
10,024.3	10,023.6	98.5					Additive Proppant		Type 40/70 WS		Amount 2,665.0		Units lb		Sand Size 40/70		
10,225.1	10,224.5	98.6					36	12/13/2014		8,888.3		8,895.1		2161.80		2271.50	
10,341.5	10,340.8	98.1					Additive Proppant		Type 20/40 WS		Amount 98,998.9		Units lb		Sand Size 20/40		
10,471.1	10,470.4	98.3					Additive Proppant		Type 40/70 WS		Amount 2,886.8		Units lb		Sand Size 40/70		
10,646.0	10,645.4	98.7					37	12/14/2014		8,784.8		8,791.6		2224.50		2288.20	
10,766.1	10,765.1	97.5					Additive Proppant		Type 20/40 WS		Amount 56,287.0		Units lb		Sand Size 20/40		
10,940.0	10,939.3	98.3					Additive Proppant		Type 40/70 WS		Amount 2,845.0		Units lb		Sand Size 40/70		
11,062.0	11,061.2	98.1					38	12/14/2014		8,689.7		8,696.6		2223.00		2329.30	
11,236.9	11,236.1	98.5					Additive Proppant		Type 20/40 WS		Amount 96,042.7		Units lb		Sand Size 20/40		
11,357.0	11,356.3	98.8					Additive Proppant		Type 40/70 WS		Amount 2,715.8		Units lb		Sand Size 40/70		
11,533.1	11,532.2	98.1					39	12/14/2014		8,541.1		8,547.9		2966.80		3087.10	
11,652.9	11,652.3	98.0					Additive Proppant		Type 20/40 WS		Amount 108,977.0		Units lb		Sand Size 20/40		
11,828.1	11,827.7	98.6					Additive Proppant		Type 40/70 WS		Amount 2,803.0		Units lb		Sand Size 40/70		
11,935.0	11,934.3	98.5					40	12/14/2014		8,392.6		8,399.4		2628.20		2748.70	
12,109.9	12,109.2	98.8					Additive Proppant		Type 20/40 WS		Amount 109,042.5		Units lb		Sand Size 20/40		
12,244.1	12,243.7	97.5					Additive Proppant		Type 40/70 WS		Amount 2,904.6		Units lb		Sand Size 40/70		
12,419.0	12,418.3	98.0					41	12/14/2014		8,243.7		8,250.5		2932.90		3053.50	
12,539.0	12,538.2	98.8					Additive Proppant		Type 20/40 WS		Amount 108,199.0		Units lb		Sand Size 20/40		
12,713.9	12,713.2	98.6					Additive Proppant		Type 40/70 WS		Amount 3,838.0		Units lb		Sand Size 40/70		
12,820.9	12,820.8	98.1					Additive Proppant		Type 40/70 WS		Amount		Units		Sand Size		
12,997.0	12,996.1	98.1					Additive Proppant		Type 40/70 WS		Amount		Units		Sand Size		
13,120.1	13,119.4	98.6					Additive Proppant		Type 40/70 WS		Amount		Units		Sand Size		
13,294.9	13,294.2	98.5					Additive Proppant		Type 40/70 WS		Amount		Units		Sand Size		
13,404.9	13,404.3	98.8					Additive Proppant		Type 40/70 WS		Amount		Units		Sand Size		
13,583.0	13,582.4	98.5					Additive Proppant		Type 40/70 WS		Amount		Units		Sand Size		
13,721.1	13,720.2	98.2					Additive Proppant		Type 40/70 WS		Amount		Units		Sand Size		
13,896.0	13,895.8	98.8					Additive Proppant		Type 40/70 WS		Amount		Units		Sand Size		
13,982.0	13,981.7	98.5					Additive Proppant		Type 40/70 WS		Amount		Units		Sand Size		
13,997.0	13,996.2	98.8					Additive Proppant		Type 40/70 WS		Amount		Units		Sand Size		



Lease Review
Well Name: RAZOR 21B-0910

API Number 051233953200		WPC ID 1CO0761115		Well Permit Number		Field Name DJ Horizontal Niobrara		County Weld		State CO				
Well Configuration Type Lateral/Horizontal				Orig KB Elv (ft) 4,854.10		Ground Elevation (ft) 4,837.30		Casing Flange Elevation (ft)		Tubing Head Elevation (ft)		Total Depth (ftKB) 13,997.0		
Original Spud Date 10/5/2014		Completion Date 12/17/2014		Asset Group Redtail		Responsible Engineer Charles Ohlson		N/S Dist (ft) 328.0		N/S Ref FNL		E/W Dist (ft) 2,128.0		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, 3/13/2015 2:18:51 PM						Stim/Treat Stages								
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)
							42	12/14/2014		8,095.5	8,102.3	2822.70		2939.10
21.3	21.3	42					Additive	Type		Amount	Units	Sand Size		
							Proppant	20/40 WS		106,125.2	lb	20/40		
1,709.0	1,709.0	2.8					Additive	Type		Amount	Units	Sand Size		
							Proppant	40/70 WS		1,970.0	lb	40/70		
1,820.2	1,820.2	2.8					Stg #	Start Date		Top Depth (ftKB)	Bottom Depth (ftKB)	Vol Clean Pump (bbl)		Vol Slurry (bbl)
							43	12/15/2014		7,946.9	7,953.8	2538.70		2656.20
3,437.7	3,437.7	1.2					Additive	Type		Amount	Units	Sand Size		
							Proppant	20/40 WS		106,494.0	lb	20/40		
5,101.0	5,101.0	1.6					Additive	Type		Amount	Units	Sand Size		
							Proppant	40/70 WS		2,652.0	lb	40/70		
5,127.3	5,127.3	1.7					Stg #	Start Date		Top Depth (ftKB)	Bottom Depth (ftKB)	Vol Clean Pump (bbl)		Vol Slurry (bbl)
							44	12/15/2014		7,798.4	7,805.2	2669.30		2787.40
5,869.8	5,869.8	98.5					Additive	Type		Amount	Units	Sand Size		
							Proppant	20/40 WS		107,085.7	lb	20/40		
5,914.0	5,914.0	98.5					Additive	Type		Amount	Units	Sand Size		
							Proppant	40/70 WS		2,578.4	lb	40/70		
6,210.0	6,210.0	98.4					Stg #	Start Date		Top Depth (ftKB)	Bottom Depth (ftKB)	Vol Clean Pump (bbl)		Vol Slurry (bbl)
							45	12/15/2014		7,649.9	7,656.7	2647.10		2771.40
6,460.3	6,460.3	98.5					Additive	Type		Amount	Units	Sand Size		
							Proppant	20/40 WS		112,410.0	lb	20/40		
6,609.6	6,609.6	98.7					Additive	Type		Amount	Units	Sand Size		
							Proppant	40/70 WS		3,082.0	lb	40/70		
6,900.9	6,900.9	98.5					Stg #	Start Date		Top Depth (ftKB)	Bottom Depth (ftKB)	Vol Clean Pump (bbl)		Vol Slurry (bbl)
							46	12/15/2014		7,501.1	7,507.9	2802.60		2915.80
7,062.3	7,062.3	98.1					Additive	Type		Amount	Units	Sand Size		
							Proppant	20/40 WS		102,072.4	lb	20/40		
7,346.1	7,346.1	98.5					Additive	Type		Amount	Units	Sand Size		
							Proppant	40/70 WS		3,101.8	lb	40/70		
7,501.0	7,501.0	98.6					Stg #	Start Date		Top Depth (ftKB)	Bottom Depth (ftKB)	Vol Clean Pump (bbl)		Vol Slurry (bbl)
							47	12/15/2014		7,352.2	7,359.0	2311.40		2404.10
7,792.3	7,792.3	98.8					Additive	Type		Amount	Units	Sand Size		
							Proppant	20/40 WS		83,309.0	lb	20/40		
7,953.7	7,953.7	98.7					Additive	Type		Amount	Units	Sand Size		
							Proppant	40/70 WS		2,830.0	lb	40/70		
8,243.8	8,243.8	98.6					Stg #	Start Date		Top Depth (ftKB)	Bottom Depth (ftKB)	Vol Clean Pump (bbl)		Vol Slurry (bbl)
							48	12/15/2014		7,204.6	7,211.4	3043.40		3165.00
8,535.1	8,535.1	98.3					Additive	Type		Amount	Units	Sand Size		
							Proppant	20/40 WS		109,994.9	lb	20/40		
8,696.5	8,696.5	98.3					Additive	Type		Amount	Units	Sand Size		
							Proppant	40/70 WS		2,993.8	lb	40/70		
8,888.1	8,888.1	98.1					Stg #	Start Date		Top Depth (ftKB)	Bottom Depth (ftKB)	Vol Clean Pump (bbl)		Vol Slurry (bbl)
							49	12/16/2014		7,055.7	7,062.5	2547.30		2668.40
8,998.7	8,998.7	98.7					Additive	Type		Amount	Units	Sand Size		
							Proppant	20/40 WS		109,520.0	lb	20/40		
9,191.9	9,191.9	98.4					Additive	Type		Amount	Units	Sand Size		
							Proppant	40/70 WS		2,941.0	lb	40/70		
9,308.4	9,308.4	98.0					Stg #	Start Date		Top Depth (ftKB)	Bottom Depth (ftKB)	Vol Clean Pump (bbl)		Vol Slurry (bbl)
							50	12/16/2014		6,906.8	6,913.6	2515.80		2634.30
9,508.2	9,508.2	98.0					Additive	Type		Amount	Units	Sand Size		
							Proppant	20/40 WS		107,112.7	lb	20/40		
9,709.0	9,709.0	98.5					Additive	Type		Amount	Units	Sand Size		
							Proppant	40/70 WS		2,941.0	lb	40/70		
9,824.8	9,824.8	98.6					Stg #	Start Date		Top Depth (ftKB)	Bottom Depth (ftKB)	Vol Clean Pump (bbl)		Vol Slurry (bbl)
							51	12/16/2014		6,757.9	6,764.7	2535.40		2655.40
10,024.3	10,024.3	98.5					Additive	Type		Amount	Units	Sand Size		
							Proppant	20/40 WS		108,634.0	lb	20/40		
10,225.1	10,225.1	98.5					Additive	Type		Amount	Units	Sand Size		
							Proppant	40/70 WS		2,833.0	lb	40/70		
10,341.5	10,341.5	98.1					Stg #	Start Date		Top Depth (ftKB)	Bottom Depth (ftKB)	Vol Clean Pump (bbl)		Vol Slurry (bbl)
							52	12/16/2014		6,609.4	6,616.2	3072.40		3189.10
10,471.1	10,471.1	98.3					Additive	Type		Amount	Units	Sand Size		
							Proppant	20/40 WS		106,227.4	lb	20/40		
10,646.0	10,646.0	98.7					Additive	Type		Amount	Units	Sand Size		
							Proppant	40/70 WS		2,189.2	lb	40/70		
10,766.1	10,766.1	98.5					Stg #	Start Date		Top Depth (ftKB)	Bottom Depth (ftKB)	Vol Clean Pump (bbl)		Vol Slurry (bbl)
							53	12/16/2014		6,460.5	6,467.3	3076.40		3195.50
10,940.0	10,940.0	98.3					Additive	Type		Amount	Units	Sand Size		
							Proppant	20/40 WS		107,870.0	lb	20/40		
11,062.0	11,062.0	98.7					Additive	Type		Amount	Units	Sand Size		
							Proppant	40/70 WS		2,729.0	lb	40/70		
11,236.9	11,236.9	98.1					Stg #	Start Date		Top Depth (ftKB)	Bottom Depth (ftKB)	Vol Clean Pump (bbl)		Vol Slurry (bbl)
							54	12/16/2014		6,311.6	6,318.5	3092.00		3215.00
11,357.0	11,357.0	98.3					Additive	Type		Amount	Units	Sand Size		
							Proppant	20/40 WS		111,373.7	lb	20/40		
11,533.1	11,533.1	98.1					Additive	Type		Amount	Units	Sand Size		
							Proppant	40/70 WS		2,860.5	lb	40/70		
11,652.9	11,652.9	98.0					Stg #	Start Date		Top Depth (ftKB)	Bottom Depth (ftKB)	Vol Clean Pump (bbl)		Vol Slurry (bbl)
							55	12/16/2014		6,311.6	6,318.5	3092.00		3215.00
11,828.1	11,828.1	98.5					Additive	Type		Amount	Units	Sand Size		
							Proppant	20/40 WS		107,870.0	lb	20/40		
11,935.0	11,935.0	98.5					Additive	Type		Amount	Units	Sand Size		
							Proppant	40/70 WS		2,729.0	lb	40/70		
12,109.9	12,109.9	98.8					Stg #	Start Date		Top Depth (ftKB)	Bottom Depth (ftKB)	Vol Clean Pump (bbl)		Vol Slurry (bbl)
							56	12/16/2014		6,311.6	6,318.5	3092.00		3215.00
12,244.1	12,244.1	98.3					Additive	Type		Amount	Units	Sand Size		
							Proppant	20/40 WS		111,373.7	lb	20/40		
12,419.0	12,419.0	98.0					Additive	Type		Amount	Units	Sand Size		
							Proppant	40/70 WS		2,860.5	lb	40/70		
12,539.0	12,539.0	98.8					Stg #	Start Date		Top Depth (ftKB)	Bottom Depth (ftKB)	Vol Clean Pump (bbl)		Vol Slurry (bbl)
							57	12/16/2014		6,311.6	6,318.5	3092.00		3215.00
12,713.9	12,713.9	98.7					Additive	Type		Amount	Units	Sand Size		
							Proppant	20/40 WS		111,373.7	lb	20/40		
12,820.9	12,820.9	98.1					Additive	Type		Amount	Units	Sand Size		
							Proppant	40/70 WS		2,860.5	lb	40/70		
12,997.0	12,997.0	98.1					Tubing - Production set at 5,914.2ftKB on 1/14/2015 06:00							
13,120.1	13,120.1	98.6					Set Depth (ftKB)	Comment				Run Date		Pull Date
							5,914.2					1/14/2015		
13,294.9	13,294.9	98.5					Item Des		OD (in)	ID (in)	Len (ft)	Top (ftKB)	Btm (ftKB)	
							Tubing Hanger		7	1.995	0.60	17.0	17.6	
13,404.9	13,404.9	98.6					Cross Over		2 7/8	1.995	0.30	17.6	17.9	
							Tubing		2 3/8	1.995	30.39	17.9	48.3	
13,583.0	13,583.0	98.5					JT 2-3/8 EUE 8rd N-80 4.7# PUP JT		2 3/8	1.995	4.10	48.3	52.4	
							Tubing		2 3/8	1.995	1,767.66	52.4	1,820.1	
13,721.1	13,721.1	98.2					Gas Lift Mandrel #7		2 3/8	1.995	4.05	1,820.1	1,824.1	
							Tubing		2 3/8	1.995	985.39	1,824.1	2,809.5	
13,896.0	13,896.0	98.8					Gas Lift Mandrel #6		2 3/8	1.995	4.05	2,809.5	2,813.5	
							Tubing		2 3/8	1.995	620.08	2,813.5	3,433.6	
13,982.0	13,982.0	98.5												
13,997.0	13,997.0	98.6												



Lease Review
Well Name: RAZOR 21B-0910

API Number 051233953200		WPC ID 1CO0761115		Well Permit Number		Field Name DJ Horizontal Niobrara		County Weld		State CO						
Well Configuration Type Lateral/Horizontal				Orig KB Elv (ft) 4,854.10		Ground Elevation (ft) 4,837.30		Casing Flange Elevation (ft)		Tubing Head Elevation (ft)		Total Depth (ftKB) 13,997.0				
Original Spud Date 10/5/2014		Completion Date 12/17/2014		Asset Group Redtail		Responsible Engineer Charles Ohlson			N/S Dist (ft) 328.0		N/S Ref FNL		E/W Dist (ft) 2,128.0		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, 3/13/2015 2:18:54 PM						Item Des			OD (in)	ID (in)	Len (ft)		Top (ftKB)		Btm (ftKB)	
MD (ftKB)	D (ft KB)	n (c)	l ()	Vertical schematic (actual)	Logs	Gas Lift Mandrel #5			2 3/8	1.995	4.05		3,433.6	
								Tubing			2 3/8	1.995	591.60		3,437.7	
21.3	21.3	0.0	0.0	0.0	0.0			Gas Lift Mandrel #4			2 3/8	1.995	4.05		4,029.3	
								Tubing			2 3/8	1.995	589.75		4,033.3	
1,709.0	1,709.0	2.8	2.8	2.8	2.8			Gas Lift Mandrel #3			2 3/8	1.995	4.05		4,623.1	
								Tubing			2 3/8	1.995	560.37		5,187.5	
1,820.2	1,820.2	2.8	2.8	2.8	2.8			Gas Lift Mandrel #2			2 3/8	1.995	4.05		5,187.5	
								Tubing			2 3/8	1.995	31.26		5,222.8	
3,437.7	3,437.7	1.2	1.2	1.2	1.2			Profile Nipple			2 3/8	1.995	1.14		5,222.8	
								Tubing			2 3/8	1.995	645.71		5,223.9	
5,101.0	5,101.0	1.6	1.6	1.6	1.6			Gas Lift Mandrel #1			2 3/8	1.995	4.05		5,869.7	
								Tubing			2 3/8	1.995	31.28		5,873.7	
5,127.3	5,127.3	1.7	1.7	1.7	1.7			On-Off Tool			2 3/8	1.995	1.34		5,905.0	
								Packer			4 1/2	2.375	6.75		5,906.3	
5,869.8	5,869.8	39.0	39.0	39.0	39.0			Pump out plug			0.0		1.10		5,913.1	
															5,914.2	
5,914.0	5,914.0	39.0	39.0	39.0	39.0											
6,210.0	6,210.0	39.0	39.0	39.0	39.0											
6,460.3	6,460.3	39.0	39.0	39.0	39.0											
6,609.6	6,609.6	39.0	39.0	39.0	39.0											
6,900.9	6,900.9	39.0	39.0	39.0	39.0											
7,062.3	7,062.3	39.0	39.0	39.0	39.0											
7,346.1	7,346.1	39.0	39.0	39.0	39.0											
7,501.0	7,501.0	39.0	39.0	39.0	39.0											
7,792.3	7,792.3	39.0	39.0	39.0	39.0											
7,953.7	7,953.7	39.0	39.0	39.0	39.0											
8,243.8	8,243.8	39.0	39.0	39.0	39.0											
8,535.1	8,535.1	39.0	39.0	39.0	39.0											
8,696.5	8,696.5	39.0	39.0	39.0	39.0											
8,888.1	8,888.1	39.0	39.0	39.0	39.0											
8,998.7	8,998.7	39.0	39.0	39.0	39.0											
9,191.9	9,191.9	39.0	39.0	39.0	39.0											
9,308.4	9,308.4	39.0	39.0	39.0	39.0											
9,508.2	9,508.2	39.0	39.0	39.0	39.0											
9,709.0	9,709.0	39.0	39.0	39.0	39.0											
9,824.8	9,824.8	39.0	39.0	39.0	39.0											
10,024.3	10,024.3	39.0	39.0	39.0	39.0											
10,225.1	10,225.1	39.0	39.0	39.0	39.0											
10,341.5	10,341.5	39.0	39.0	39.0	39.0											
10,471.1	10,471.1	39.0	39.0	39.0	39.0											
10,646.0	10,646.0	39.0	39.0	39.0	39.0											
10,766.1	10,766.1	39.0	39.0	39.0	39.0											
10,940.0	10,940.0	39.0	39.0	39.0	39.0											
11,062.0	11,062.0	39.0	39.0	39.0	39.0											
11,236.9	11,236.9	39.0	39.0	39.0	39.0											
11,357.0	11,357.0	39.0	39.0	39.0	39.0											
11,533.1	11,533.1	39.0	39.0	39.0	39.0											
11,652.9	11,652.9	39.0	39.0	39.0	39.0											
11,828.1	11,828.1	39.0	39.0	39.0	39.0											
11,935.0	11,935.0	39.0	39.0	39.0	39.0											
12,109.9	12,109.9	39.0	39.0	39.0	39.0											
12,244.1	12,244.1	39.0	39.0	39.0	39.0											
12,419.0	12,419.0	39.0	39.0	39.0	39.0											
12,539.0	12,539.0	39.0	39.0	39.0	39.0											
12,713.9	12,713.9	39.0	39.0	39.0	39.0											
12,820.9	12,820.9	39.0	39.0	39.0	39.0											
12,997.0	12,997.0	39.0	39.0	39.0	39.0											
13,120.1	13,120.1	39.0	39.0	39.0	39.0											
13,294.9	13,294.9	39.0	39.0	39.0	39.0											
13,404.9	13,404.9	39.0	39.0	39.0	39.0											
13,583.0	13,583.0	39.0	39.0	39.0	39.0											
13,721.1	13,721.1	39.0	39.0	39.0	39.0											
13,896.0	13,896.0	39.0	39.0	39.0	39.0											
13,982.0	13,982.0	39.0	39.0	39.0	39.0											