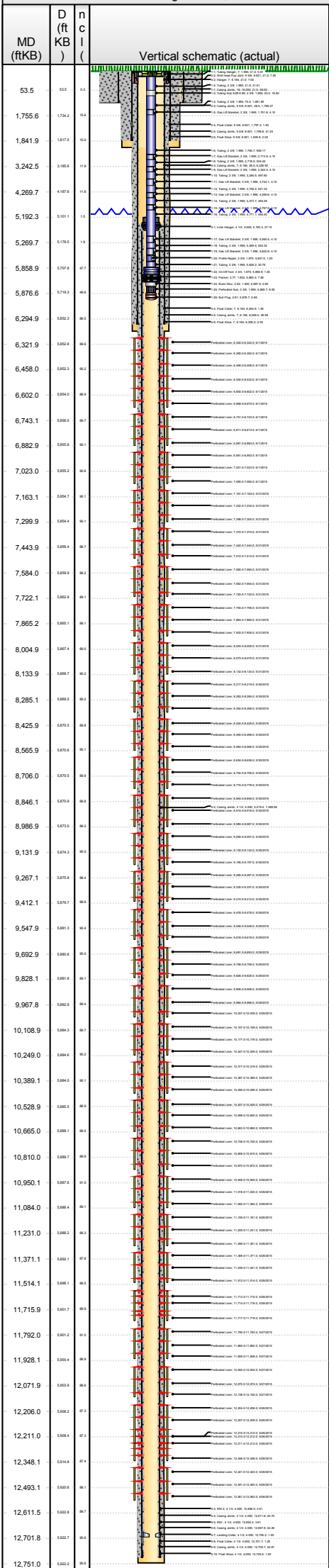




Lease Review
Well Name: RAZOR 11H-0215A

API Number 051233859800	WPC ID 1CO0761149	Well Permit Number	Field Name Wildcat	County Weld	State CO
Well Configuration Type Lateral/Horizontal	Orig KB Elv (ft) 4,975.00	Ground Elevation (ft) 4,954.00	Casing Flange Elevation (ft)	Tubing Head Elevation (ft)	Total Depth (ftKB) 12,751.0
Original Spud Date 3/8/2015	Completion Date 6/1/2015	Asset Group Redtail	Responsible Engineer Charles Ohlson	N/S Dist (ft) 2,180.0 N/S Ref FNL	E/W Dist (ft) 368.0 E/W Ref FEL
Lot	Quarter 1 SE	Quarter 2 NE	Quarter 3	Quarter 4	Section 11
			Section Suffix	Section Type	Township 10 N
					Township N/S Dir N
					Range 58
					Range E/W Dir W
					Meridian

Lateral/Horizontal - Original Hole, 9/11/2015 10:17:17 AM



Wellbore Sections

Wellbore Name	Start Date	Size (in)	Act Top (ftKB)	Act Btm (ftKB)
Original Hole	2/25/2015	24	21.0	80.0
Original Hole	3/8/2015	13 1/2	80.0	1,855.0
Original Hole	3/9/2015	8 3/4	1,855.0	6,312.0
Original Hole	3/17/2015	6 1/8	6,312.0	12,751.0

Conductor Pipe, 80.0ftKB

OD (in)	Wt (lb/ft)	Grade	Top (ftKB)	Btm (ftKB)	Len (ft)	Item Des
16	65.00	H-40	21.0	80.0	59.00	Casing Joints

Surface Csg, 1,841.8ftKB

OD (in)	Wt (lb/ft)	Grade	Top (ftKB)	Btm (ftKB)	Len (ft)	Item Des
9 5/8	36.00	J-55	21.0	21.0	0.00	Landing Joint
9 5/8	36.00	J-55	21.0	28.0	7.00	Well head Pup Joint
9 5/8	36.00	J-55	28.0	1,797.3	1,769.27	Casing Joints
9 5/8	36.00	J-55	1,797.3	1,798.8	1.50	Float Collar
9 5/8	36.00	J-55	1,798.8	1,839.8	41.03	Casing Joints
9 5/8	36.00	J-55	1,839.8	1,841.8	2.00	Float Shoe

Frac String, 5,199.6ftKB

OD (in)	Wt (lb/ft)	Grade	Top (ftKB)	Btm (ftKB)	Len (ft)	Item Des
7			21.0	21.9	0.90	Casing Hanger
4 1/2	11.60	P-110	21.9	66.6	44.70	Casing Joints
4 1/2	11.60	P-110	66.6	81.1	14.45	Pup Joint 2.1ft 2.1ft 10.25ft
4 1/2	11.60	P-110	81.1	5,197.5	5,116.44	Casing Joints
5.8571			5,197.5	5,199.6	2.10	Seal Assembly

Intermediate Csg, 6,297.0ftKB

OD (in)	Wt (lb/ft)	Grade	Top (ftKB)	Btm (ftKB)	Len (ft)	Item Des
7	29.00	HCL-80	21.0	21.0	0.00	Landing Joint
7	29.00	HCL-80	21.0	28.0	7.00	Hanger
7	29.00	HCL-80	28.0	6,254.9	6,226.92	Casing Joints
7	29.00	HCL-80	6,254.9	6,256.4	1.50	Float Collar
7	29.00	HCL-80	6,256.4	6,295.0	38.58	Casing Joints
7	29.00	HCL-80	6,295.0	6,297.0	2.00	Float Shoe

Liner, 12,747.0ftKB

OD (in)	Wt (lb/ft)	Grade	Top (ftKB)	Btm (ftKB)	Len (ft)	Item Des
4 1/2	11.60	P-110	5,192.3	5,219.4	27.15	Liner Hanger
4 1/2	11.60	P-110	5,219.4	12,608.0	7,388.58	Casing Joints
4 1/2	11.60	P-110	12,608.0	12,611.6	3.61	RSI 2
4 1/2	11.60	P-110	12,611.6	12,654.3	42.70	Casing Joints
4 1/2	11.60	P-110	12,654.3	12,657.9	3.61	RSI
4 1/2	11.60	P-110	12,657.9	12,700.2	42.26	Casing Joints
4 1/2	11.60	P-110	12,700.2	12,701.7	1.50	Landing Collar
4 1/2	11.60	P-110	12,701.7	12,702.7	1.00	Float Collar
4 1/2	11.60	P-110	12,702.7	12,745.5	42.81	Casing Joints
4 1/2	11.60	P-110	12,745.5	12,747.0	1.50	Float Shoe

Cement Stages

Des	Pump Start Date	Drill Out Date	Top (ftKB)	Btm (ftKB)	Top Meas Meth
Conductor Cement	2/25/2015		21.0	80.0	Returns to Surface
Surface Casing Cement	3/9/2015		21.0	1,841.8	Returns to Surface
Intermediate Casing Cement	3/16/2015		21.0	6,297.0	Volume Calculations
Liner Cement	3/22/2015		5,198.4	12,747.0	Volume Calculations

Perforations

Type of Hole	Date	Top (ftKB)	Btm (ftKB)	Zone
Perforated Liner	6/1/2015	6,320.0	6,322.0	Niobrara, Original Hole
Perforated Liner	6/1/2015	6,390.0	6,392.0	Niobrara, Original Hole
Perforated Liner	6/1/2015	6,456.0	6,458.0	Niobrara, Original Hole
Perforated Liner	6/1/2015	6,530.0	6,532.0	Niobrara, Original Hole
Perforated Liner	6/1/2015	6,600.0	6,602.0	Niobrara, Original Hole
Perforated Liner	6/1/2015	6,668.0	6,670.0	Niobrara, Original Hole
Perforated Liner	6/1/2015	6,741.0	6,743.0	Niobrara, Original Hole
Perforated Liner	6/1/2015	6,811.0	6,813.0	Niobrara, Original Hole
Perforated Liner	6/1/2015	6,881.0	6,883.0	Niobrara, Original Hole
Perforated Liner	6/1/2015	6,951.0	6,953.0	Niobrara, Original Hole
Perforated Liner	6/1/2015	7,021.0	7,023.0	Niobrara, Original Hole
Perforated Liner	6/1/2015	7,090.0	7,092.0	Niobrara, Original Hole
Perforated Liner	5/31/2015	7,161.0	7,163.0	Niobrara, Original Hole
Perforated Liner	5/31/2015	7,232.0	7,234.0	Niobrara, Original Hole
Perforated Liner	5/31/2015	7,298.0	7,300.0	Niobrara, Original Hole
Perforated Liner	5/31/2015	7,372.0	7,374.0	Niobrara, Original Hole
Perforated Liner	5/31/2015	7,442.0	7,444.0	Niobrara, Original Hole
Perforated Liner	5/31/2015	7,512.0	7,514.0	Niobrara, Original Hole
Perforated Liner	5/31/2015	7,582.0	7,584.0	Niobrara, Original Hole
Perforated Liner	5/31/2015	7,652.0	7,654.0	Niobrara, Original Hole
Perforated Liner	5/31/2015	7,720.0	7,722.0	Niobrara, Original Hole



Lease Review
Well Name: RAZOR 11H-0215A

API Number 051233859800				WPC ID 1CO0761149				Well Permit Number				Field Name Wildcat				County Weld				State CO	
Well Configuration Type Lateral/Horizontal						Orig KB Elv (ft) 4,975.00		Ground Elevation (ft) 4,954.00		Casing Flange Elevation (ft)		Tubing Head Elevation (ft)		Total Depth (ftKB) 12,751.0							
Original Spud Date 3/8/2015			Completion Date 6/1/2015			Asset Group Redtail				Responsible Engineer Charles Ohlson				N/S Dist (ft) 2,180.0		N/S Ref FNL		E/W Dist (ft) 368.0		E/W Ref FEL	
Lot		Quarter 1 SE	Quarter 2 NE	Quarter 3	Quarter 4	Section 11	Section Suffix	Section Type	Township 10	Township N/S Dir N	Range 58	Range E/W Dir W	Meridian								

Lateral/Horizontal - Original Hole, 9/11/2015 10:17:17 AM						Perforations					
MD (ftKB)	D (ft KB)	n ()	c ()	Vertical schematic (actual)		Logs	Type of Hole	Date	Top (ftKB)	Btm (ftKB)	Zone
53.5	0.0	0.0					Perforated Liner	5/31/2015	7,793.0	7,795.0	Niobrara, Original Hole
1,755.6	1.734.2	15.6				Perforated Liner	5/31/2015	7,863.0	7,865.0	Niobrara, Original Hole	
1,841.9	1.817.0	15.0				Perforated Liner	5/31/2015	7,933.0	7,935.0	Niobrara, Original Hole	
3,242.5	3.185.6	11.8				Perforated Liner	5/31/2015	8,003.0	8,005.0	Niobrara, Original Hole	
4,269.7	4.187.6	11.8				Perforated Liner	5/31/2015	8,073.0	8,075.0	Niobrara, Original Hole	
5,192.3	5.101.1	11.5				Perforated Liner	5/31/2015	8,132.0	8,134.0	Niobrara, Original Hole	
5,269.7	5.170.5	1.8				Perforated Liner	5/30/2015	8,217.0	8,219.0	Niobrara, Original Hole	
5,858.9	5.707.6	16.7				Perforated Liner	5/30/2015	8,283.0	8,285.0	Niobrara, Original Hole	
5,876.6	5.719.3	16.8				Perforated Liner	5/30/2015	8,283.0	8,285.0	Niobrara, Original Hole	
6,294.9	6.093.3	16.0				Perforated Liner	5/30/2015	8,354.0	8,356.0	Niobrara, Original Hole	
6,321.9	6.082.8	16.0				Perforated Liner	5/30/2015	8,354.0	8,356.0	Niobrara, Original Hole	
6,458.0	6.052.2	16.2				Perforated Liner	5/30/2015	8,424.0	8,426.0	Niobrara, Original Hole	
6,602.0	6.054.0	16.8				Perforated Liner	5/30/2015	8,424.0	8,426.0	Niobrara, Original Hole	
6,743.1	6.088.0	16.7				Perforated Liner	5/30/2015	8,494.0	8,496.0	Niobrara, Original Hole	
6,882.9	6.055.8	16.1				Perforated Liner	5/30/2015	8,494.0	8,496.0	Niobrara, Original Hole	
7,023.0	6.055.2	16.6				Perforated Liner	5/30/2015	8,564.0	8,566.0	Niobrara, Original Hole	
7,163.1	6.054.7	16.1				Perforated Liner	5/30/2015	8,564.0	8,566.0	Niobrara, Original Hole	
7,299.9	6.054.4	16.1				Perforated Liner	5/30/2015	8,634.0	8,636.0	Niobrara, Original Hole	
7,443.9	6.054.4	16.1				Perforated Liner	5/30/2015	8,634.0	8,636.0	Niobrara, Original Hole	
7,584.0	6.054.4	16.2				Perforated Liner	5/30/2015	8,704.0	8,706.0	Niobrara, Original Hole	
7,722.1	6.052.9	16.1				Perforated Liner	5/30/2015	8,704.0	8,706.0	Niobrara, Original Hole	
7,865.2	6.055.1	16.1				Perforated Liner	5/30/2015	8,774.0	8,776.0	Niobrara, Original Hole	
8,004.9	6.057.4	16.0				Perforated Liner	5/30/2015	8,774.0	8,776.0	Niobrara, Original Hole	
8,133.9	6.060.7	16.2				Perforated Liner	5/30/2015	8,844.0	8,846.0	Niobrara, Original Hole	
8,285.1	6.060.5	16.2				Perforated Liner	5/30/2015	8,844.0	8,846.0	Niobrara, Original Hole	
8,425.9	6.070.0	16.0				Perforated Liner	5/30/2015	8,914.0	8,916.0	Niobrara, Original Hole	
8,565.9	6.070.6	16.1				Perforated Liner	5/30/2015	8,914.0	8,916.0	Niobrara, Original Hole	
8,706.0	6.070.2	16.0				Perforated Liner	5/30/2015	8,985.0	8,987.0	Niobrara, Original Hole	
8,846.1	6.070.9	16.0				Perforated Liner	5/30/2015	8,985.0	8,987.0	Niobrara, Original Hole	
8,986.9	6.070.5	16.0				Perforated Liner	5/30/2015	9,055.0	9,057.0	Niobrara, Original Hole	
9,131.9	6.074.2	16.0				Perforated Liner	5/30/2015	9,055.0	9,057.0	Niobrara, Original Hole	
9,267.1	6.075.0	16.4				Perforated Liner	5/30/2015	9,130.0	9,132.0	Niobrara, Original Hole	
9,412.1	6.075.7	16.6				Perforated Liner	5/30/2015	9,130.0	9,132.0	Niobrara, Original Hole	
9,547.9	6.081.3	16.4				Perforated Liner	5/30/2015	9,195.0	9,197.0	Niobrara, Original Hole	
9,692.9	6.080.8	16.0				Perforated Liner	5/30/2015	9,195.0	9,197.0	Niobrara, Original Hole	
9,828.1	6.081.8	16.1				Perforated Liner	5/30/2015	9,265.0	9,267.0	Niobrara, Original Hole	
9,967.8	6.082.4	16.4				Perforated Liner	5/30/2015	9,265.0	9,267.0	Niobrara, Original Hole	
10,108.9	6.084.3	16.7				Perforated Liner	5/30/2015	9,335.0	9,337.0	Niobrara, Original Hole	
10,249.0	6.084.0	16.2				Perforated Liner	5/30/2015	9,335.0	9,337.0	Niobrara, Original Hole	
10,389.1	6.084.0	16.1				Perforated Liner	5/30/2015	9,410.0	9,412.0	Niobrara, Original Hole	
10,528.9	6.085.6	16.8				Perforated Liner	5/30/2015	9,410.0	9,412.0	Niobrara, Original Hole	
10,665.0	6.086.1	16.0				Perforated Liner	5/29/2015	9,476.0	9,478.0	Niobrara, Original Hole	
10,810.0	6.089.7	16.0				Perforated Liner	5/29/2015	9,476.0	9,478.0	Niobrara, Original Hole	
10,950.1	6.087.0	16.5				Perforated Liner	5/29/2015	9,546.0	9,548.0	Niobrara, Original Hole	
11,084.0	6.086.4	16.1				Perforated Liner	5/29/2015	9,546.0	9,548.0	Niobrara, Original Hole	
11,231.0	6.088.2	16.3				Perforated Liner	5/29/2015	9,616.0	9,618.0	Niobrara, Original Hole	
11,371.1	6.089.1	16.7				Perforated Liner	5/29/2015	9,616.0	9,618.0	Niobrara, Original Hole	
11,514.1	6.090.1	16.5				Perforated Liner	5/29/2015	9,691.0	9,693.0	Niobrara, Original Hole	
11,715.9	6.091.7	16.8				Perforated Liner	5/29/2015	9,691.0	9,693.0	Niobrara, Original Hole	
11,792.0	6.091.2	16.0				Perforated Liner	5/29/2015	9,756.0	9,758.0	Niobrara, Original Hole	
11,928.1	6.090.4	16.8				Perforated Liner	5/29/2015	9,756.0	9,758.0	Niobrara, Original Hole	
12,071.9	6.093.9	16.6				Perforated Liner	5/29/2015	9,826.0	9,828.0	Niobrara, Original Hole	
12,206.0	6.098.2	16.3				Perforated Liner	5/29/2015	9,826.0	9,828.0	Niobrara, Original Hole	
12,211.0	6.098.4	16.3				Perforated Liner	5/29/2015	9,906.0	9,908.0	Niobrara, Original Hole	
12,348.1	6.091.6	16.4				Perforated Liner	5/29/2015	9,906.0	9,908.0	Niobrara, Original Hole	
12,493.1	6.093.6	16.1				Perforated Liner	5/29/2015	9,966.0	9,968.0	Niobrara, Original Hole	
12,611.5	6.092.8	16.7				Perforated Liner	5/29/2015	9,966.0	9,968.0	Niobrara, Original Hole	
12,701.8	6.092.7	16.8				Perforated Liner	5/29/2015	10,037.0	10,039.0	Niobrara, Original Hole	
12,751.0	6.092.2	16.8				Perforated Liner	5/29/2015	10,037.0	10,039.0	Niobrara, Original Hole	
				Perforated Liner	5/29/2015	10,107.0	10,109.0	Niobrara, Original Hole			
				Perforated Liner	5/29/2015	10,107.0	10,109.0	Niobrara, Original Hole			
				Perforated Liner	5/29/2015	10,177.0	10,179.0	Niobrara, Original Hole			
				Perforated Liner	5/29/2015	10,177.0	10,179.0	Niobrara, Original Hole			
				Perforated Liner	5/29/2015	10,247.0	10,249.0	Niobrara, Original Hole			
				Perforated Liner	5/29/2015	10,247.0	10,249.0	Niobrara, Original Hole			
				Perforated Liner	5/29/2015	10,317.0	10,319.0	Niobrara, Original Hole			
				Perforated Liner	5/29/2015	10,317.0	10,319.0	Niobrara, Original Hole			
				Perforated Liner	5/29/2015	10,387.0	10,389.0	Niobrara, Original Hole			
				Perforated Liner	5/29/2015	10,387.0	10,389.0	Niobrara, Original Hole			
				Perforated Liner	5/29/2015	10,456.0	10,458.0	Niobrara, Original Hole			
				Perforated Liner	5/29/2015	10,456.0	10,458.0	Niobrara, Original Hole			
				Perforated Liner	5/29/2015	10,527.0	10,529.0	Niobrara, Original Hole			
				Perforated Liner	5/29/2015	10,527.0	10,529.0	Niobrara, Original Hole			
				Perforated Liner	5/29/2015	10,598.0	10,600.0	Niobrara, Original Hole			
				Perforated Liner	5/29/2015	10,598.0	10,600.0	Niobrara, Original Hole			
				Perforated Liner	5/29/2015	10,663.0	10,665.0	Niobrara, Original Hole			
				Perforated Liner	5/29/2015	10,663.0	10,665.0	Niobrara, Original Hole			
				Perforated Liner	5/28/2015	10,738.0	10,740.0	Niobrara, Original Hole			
				Perforated Liner	5/28/2015	10,738.0	10,740.0	Niobrara, Original Hole			
				Perforated Liner	5/28/2015	10,808.0	10,810.0	Niobrara, Original Hole			
				Perforated Liner	5/28/2015	10,808.0	10,810.0	Niobrara, Original Hole			
				Perforated Liner	5/28/2015	10,870.0	10,872.0	Niobrara, Original Hole			
				Perforated Liner	5/28/2015	10,870.0	10,872.0	Niobrara, Original Hole			
				Perforated Liner	5/28/2015	10,948.0	10,950.0	Niobrara, Original Hole			
				Perforated Liner	5/28/2015	10,948.0	10,950.0	Niobrara, Original Hole			
				Perforated Liner	5/28/2015	11,018.0	11,020.0	Niobrara, Original Hole			
				Perforated Liner	5/28/2015	11,018.0	11,020.0	Niobrara, Original Hole			
				Perforated Liner	5/28/2015	11,082.0	11,084.0	Niobrara, Original Hole			
				Perforated Liner	5/28/2015	11,082.0	11,084.0	Niobrara, Original Hole			
				Perforated Liner	5/28/2015	11,159.0	11,161.0	Niobrara, Original Hole			
				Perforated Liner	5/28/2015	11,159.0	11,161.0	Niobrara, Original Hole			
				Perforated Liner	5/28/2015	11,229.0	11,231.0	Niobrara, Original Hole			
				Perforated Liner	5/28/2015	11,229.0	11,231.0	Niobrara, Original Hole			
				Perforated Liner	5/28/2015	11,299.0	11,301.0	Niobrara, Original Hole			
				Perforated Liner	5/28/2015	11,299.0	11,301.0	Niobrara, Original Hole			
				Perforated Liner	5/28/2015	11,369.0	11,371.0	Niobrara, Original Hole			
				Perforated Liner	5/28/2015	11,369.0	11,371.0	Niobrara, Original Hole			
				Perforated Liner	5/28/2015	11,439.0	11,441.0	Niobrara, Original Hole			
				Perforated Liner	5/28/2015	11,439.0	11,441.0	Niobrara, Original Hole			
				Perforated Liner	5/28/2015	11,512.0	11,514.0	Niobrara, Original Hole			
				Perforated Liner	5/28/2015	11,512.0	11,514.0	Niobrara, Original Hole			
				Perforated Liner	5/28/2015	11,713.0	11,715.0	Niobrara, Original Hole			
				Perforated Liner	5/28/2015	11,713.0	11,715.0	Niobrara, Original Hole			
				Perforated Liner	5/28/2015	11,714.0	11,716.0	Niobrara, Original Hole			
				Perforated Liner	5/28/2015	11,714.0	11,716.0	Niobrara, Original Hole			
				Perforated Liner	5/28/2015	11,717.0	11,719.0	Niobrara, Original Hole			
				Perforated Liner	5/28/2015	11,717.0	11,719.0	Niobrara, Original Hole			
				Perforated Liner	5/27/2015	11,790.0	11,792.0	Niobrara, Original Hole			
				Perforated Liner	5/27/2015	11,790.0	11,792.0	Niobrara, Original Hole			
				Perforated Liner	5/27/2015	11,860.0	11,862.0	Niobrara, Original Hole			
				Perforated Liner	5/27/2015	11,860.0	11,862.0	Niobrara, Original Hole			
				Perforated Liner	5/27/2015	11,926.0	11,928.0	Niobrara, Original Hole			
				Perforated Liner	5/27/2015	11,926.0	11,928.0	Niobrara, Original Hole			
				Perforated Liner	5/27/2015	12,000.0	12,002.0	Niobrara, Original Hole			
				Perforated Liner	5/27/2015	12,000.0	12,002.0	Niobrara, Original Hole			
				Perforated Liner	5/27/2015	1					



Lease Review
Well Name: RAZOR 11H-0215A

API Number 051233859800				WPC ID 1CO0761149				Well Permit Number				Field Name Wildcat				County Weld				State CO											
Well Configuration Type Lateral/Horizontal				Orig KB Elv (ft) 4,975.00				Ground Elevation (ft) 4,954.00				Casing Flange Elevation (ft)				Tubing Head Elevation (ft)				Total Depth (ftKB) 12,751.0											
Original Spud Date 3/8/2015				Completion Date 6/1/2015				Asset Group Redtail				Responsible Engineer Charles Ohlson				N/S Dist (ft) 2,180.0				N/S Ref FNL				E/W Dist (ft) 368.0				E/W Ref FEL			
Lot		Quarter 1 SE		Quarter 2 NE		Quarter 3		Quarter 4		Section 11		Section Suffix		Section Type		Township 10 N		Township N/S Dir		Range 58 W		Range E/W Dir		Meridian							
Lateral/Horizontal - Original Hole, 9/11/2015 10:17:17 AM												Perforations																			
MD (ftKB)		D (ft KB)		n ()		c ()		Vertical schematic (actual)		Logs		Type of Hole																			
												Perforated Liner																			
												Date 5/26/2015		Top (ftKB) 12,561.0		Btm (ftKB) 12,563.0		Zone Niobrara, Original Hole													
Sand Frac on 5/26/2015 06:00																															
Comment Treatment End Date: 6/1/2015; Number of staged intervals: 30; Min Frac Gradient: .791; # of Perfs: 1116; #20 Linear Gel used: 23 bbl; 15% HCL Acid used: 652 bbl; Slickwater used: 173093 bbl; Freshwater: 5867 bbl														Min Top De... 6,320.0		Max Btm D... 12,563.0		Frac Length (ft)													
Stim/Treat Fluids																															
<fluidname>, #20 Linear Gel; 15% Acid																															
Proppant Frm (lb)		Total Clean Vol...		Avg Treat Rate...		Max Treat Rate...		Avg Treat Press...		P Max (psi)		Frac Gradient (p...																			
3,720,945.0		172584.40		69.50		80.30		5,359.0		8,361.0		0.79																			
<fluidname>, 15% Acid																															
Proppant Frm (lb)		Total Clean Vol...		Avg Treat Rate...		Max Treat Rate...		Avg Treat Press...		P Max (psi)		Frac Gradient (p...																			
3,720,945.0		172584.40		69.50		80.30		5,359.0		8,361.0		0.79																			
Stim/Treat Stages																															
Stg #		Start Date		Top Depth (ftKB)		Bottom Depth (ftKB)		Vol Clean Pump (bbl)		Vol Slurry (bbl)																					
1		5/26/2015		12,421.0		12,563.0		5563.50		5667.40																					
Additive		Type		Amount		Units		Sand Size																							
Proppant		30/50 Ottawa		73,402.0		lb		30/50																							
Additive		Type		Amount		Units		Sand Size																							
Proppant		40/70 Ottawa		2,212.0		lb		40/70																							
Stg #		Start Date		Top Depth (ftKB)		Bottom Depth (ftKB)		Vol Clean Pump (bbl)		Vol Slurry (bbl)																					
2		5/26/2015		12,210.0		12,348.0		6091.50		6255.10																					
Additive		Type		Amount		Units		Sand Size																							
Proppant		30/50 Ottawa		124,960.0		lb		30/50																							
Additive		Type		Amount		Units		Sand Size																							
Proppant		40/70 Ottawa		3,003.0		lb		40/70																							
Stg #		Start Date		Top Depth (ftKB)		Bottom Depth (ftKB)		Vol Clean Pump (bbl)		Vol Slurry (bbl)																					
3		5/27/2015		12,204.0		12,212.0		6847.40		7016.60																					
Additive		Type		Amount		Units		Sand Size																							
Proppant		30/50 Ottawa		137,868.0		lb		30/50																							
Additive		Type		Amount		Units		Sand Size																							
Proppant		40/70 Ottawa		3,676.0		lb		40/70																							
Stg #		Start Date		Top Depth (ftKB)		Bottom Depth (ftKB)		Vol Clean Pump (bbl)		Vol Slurry (bbl)																					
4		5/27/2015		12,000.0		12,140.0		6107.90		6283.90																					
Additive		Type		Amount		Units		Sand Size																							
Proppant		30/50 Ottawa		151,504.0		lb		30/50																							
Additive		Type		Amount		Units		Sand Size																							
Proppant		40/70 Ottawa		3,667.0		lb		40/70																							
Stg #		Start Date		Top Depth (ftKB)		Bottom Depth (ftKB)		Vol Clean Pump (bbl)		Vol Slurry (bbl)																					
5		5/28/2015		11,790.0		11,928.0		5338.00		5452.30																					
Additive		Type		Amount		Units		Sand Size																							
Proppant		30/50 Ottawa		93,477.0		lb		30/50																							
Additive		Type		Amount		Units		Sand Size																							
Proppant		40/70 Ottawa		3,456.0		lb		40/70																							
Stg #		Start Date		Top Depth (ftKB)		Bottom Depth (ftKB)		Vol Clean Pump (bbl)		Vol Slurry (bbl)																					
6		5/28/2015		11,713.0		11,719.0		6049.10		6221.50																					
Additive		Type		Amount		Units		Sand Size																							
Proppant		30/50 Ottawa		143,252.0		lb		30/50																							
Additive		Type		Amount		Units		Sand Size																							
Proppant		40/70 Ottawa		2,642.0		lb		40/70																							
Stg #		Start Date		Top Depth (ftKB)		Bottom Depth (ftKB)		Vol Clean Pump (bbl)		Vol Slurry (bbl)																					
7		5/28/2015		11,369.0		11,514.0		6031.40		6203.10																					
Additive		Type		Amount		Units		Sand Size																							
Proppant		30/50 Ottawa		138,286.0		lb		30/50																							
Additive		Type		Amount		Units		Sand Size																							
Proppant		40/70 Ottawa		2,957.0		lb		40/70																							
Stg #		Start Date		Top Depth (ftKB)		Bottom Depth (ftKB)		Vol Clean Pump (bbl)		Vol Slurry (bbl)																					
8		5/28/2015		11,159.0		11,301.0		6056.00		6223.90																					
Additive		Type		Amount		Units		Sand Size																							
Proppant		30/50 Ottawa		127,943.0		lb		30/50																							
Additive		Type		Amount		Units		Sand Size																							
Proppant		40/70 Ottawa		3,011.0		lb		40/70																							
Stg #		Start Date		Top Depth (ftKB)		Bottom Depth (ftKB)		Vol Clean Pump (bbl)		Vol Slurry (bbl)																					
9		5/29/2015		10,948.0		11,084.0		6104.40		6279.20																					
Additive		Type		Amount		Units		Sand Size																							
Proppant		30/50 Ottawa		141,632.0		lb		30/50																							
Additive		Type		Amount		Units		Sand Size																							
Proppant		40/70 Ottawa		3,194.0		lb		40/70																							
Stg #		Start Date		Top Depth (ftKB)		Bottom Depth (ftKB)		Vol Clean Pump (bbl)		Vol Slurry (bbl)																					
10		5/29/2015		10,738.0		10,872.0		4036.80		4089.80																					
Additive		Type		Amount		Units		Sand Size																							
Proppant		30/50 Ottawa		40,226.0		lb		30/50																							
Additive		Type		Amount		Units		Sand Size																							
Proppant		40/70 Ottawa		3,244.0		lb		40/70																							
Stg #		Start Date		Top Depth (ftKB)		Bottom Depth (ftKB)		Vol Clean Pump (bbl)		Vol Slurry (bbl)																					
11		5/29/2015		10,527.0		10,665.0		4062.10		4101.60																					
Additive		Type		Amount		Units		Sand Size																							
Proppant		30/50 Ottawa		27,198.0		lb		30/50																							
Additive		Type		Amount		Units		Sand Size																							
Proppant		40/70 Ottawa		2,950.0		lb		40/70																							
Stg #		Start Date		Top Depth (ftKB)		Bottom Depth (ftKB)		Vol Clean Pump (bbl)		Vol Slurry (bbl)																					
12		5/29/2015		10,317.0		10,458.0		3051.20		3069.40																					
Additive		Type		Amount		Units		Sand Size																							
Proppant		30/50 Ottawa		8,405.0		lb		30/50																							
Additive		Type		Amount		Units		Sand Size																							
Proppant		40/70 Ottawa		3,878.0		lb		40/70																							
Stg #		Start Date		Top Depth (ftKB)		Bottom Depth (ftKB)		Vol Clean Pump (bbl)		Vol Slurry (bbl)																					
13		5/29/2015		10,107.0		10,249.0		6015.10		6185.30																					
Additive		Type		Amount		Units		Sand Size																							
Proppant		30/50 Ottawa		134,641.0		lb		30/50																							
Additive		Type		Amount		Units		Sand Size																							
Proppant		40/70 Ottawa		3,178.0		lb		40/70																							



Lease Review
Well Name: RAZOR 11H-0215A

API Number 051233859800		WPC ID 1CO0761149		Well Permit Number		Field Name Wildcat		County Weld		State CO	
Well Configuration Type Lateral/Horizontal		Orig KB Elv (ft)		Ground Elevation (ft)		Casing Flange Elevation (ft)		Tubing Head Elevation (ft)		Total Depth (ftKB)	
Original Spud Date 3/8/2015		Completion Date 6/1/2015		Asset Group Redtail		Responsible Engineer Charles Ohlson		N/S Dist (ft) 2,180.0		E/W Dist (ft) 368.0	
Quarter 1 SE		Quarter 2 NE		Quarter 3		Quarter 4		Section 11		Section Suffix	
Section Type		Township 10 N		Township N/S Dir		Range 58 W		Meridian			
Lateral/Horizontal - Original Hole, 9/11/2015 10:17:18 AM						Stim/Treat Stages					
MD (ftKB)		D (ft KB)		n c l (Stg #		Start Date	
								Top Depth (ftKB)		Bottom Depth (ftKB)	
								Vol Clean Pump (bbl)		Vol Slurry (bbl)	
								Additive Proppant		Type	
								Amount		Units	
								Sand Size			
								Additive Proppant		Type	
								Amount		Units	
								Sand Size			
								Stg #		Start Date	
								Top Depth (ftKB)		Bottom Depth (ftKB)	
								Vol Clean Pump (bbl)		Vol Slurry (bbl)	
								Additive Proppant		Type	
								Amount		Units	
								Sand Size			
								Additive Proppant		Type	
								Amount		Units	
								Sand Size			
								Stg #		Start Date	
								Top Depth (ftKB)		Bottom Depth (ftKB)	
								Vol Clean Pump (bbl)		Vol Slurry (bbl)	
								Additive Proppant		Type	
								Amount		Units	
								Sand Size			
								Additive Proppant		Type	
								Amount		Units	
								Sand Size			
								Stg #		Start Date	
								Top Depth (ftKB)		Bottom Depth (ftKB)	
								Vol Clean Pump (bbl)		Vol Slurry (bbl)	
								Additive Proppant		Type	
								Amount		Units	
								Sand Size			
								Additive Proppant		Type	
								Amount		Units	
								Sand Size			
								Stg #		Start Date	
								Top Depth (ftKB)		Bottom Depth (ftKB)	
								Vol Clean Pump (bbl)		Vol Slurry (bbl)	
								Additive Proppant		Type	
								Amount		Units	
								Sand Size			
								Additive Proppant		Type	
								Amount		Units	
								Sand Size			
								Stg #		Start Date	
								Top Depth (ftKB)		Bottom Depth (ftKB)	
								Vol Clean Pump (bbl)		Vol Slurry (bbl)	
								Additive Proppant		Type	
								Amount		Units	
								Sand Size			
								Additive Proppant		Type	
								Amount		Units	
								Sand Size			
								Stg #		Start Date	
								Top Depth (ftKB)		Bottom Depth (ftKB)	
								Vol Clean Pump (bbl)		Vol Slurry (bbl)	
								Additive Proppant		Type	
								Amount		Units	
								Sand Size			
								Additive Proppant		Type	
								Amount		Units	
								Sand Size			
								Stg #		Start Date	
								Top Depth (ftKB)		Bottom Depth (ftKB)	
								Vol Clean Pump (bbl)		Vol Slurry (bbl)	
								Additive Proppant		Type	
								Amount		Units	
								Sand Size			
								Additive Proppant		Type	
								Amount		Units	
								Sand Size			
								Stg #		Start Date	
								Top Depth (ftKB)		Bottom Depth (ftKB)	
								Vol Clean Pump (bbl)		Vol Slurry (bbl)	
								Additive Proppant		Type	
								Amount		Units	
								Sand Size			
								Additive Proppant		Type	
								Amount		Units	
								Sand Size			
								Stg #		Start Date	
								Top Depth (ftKB)		Bottom Depth (ftKB)	
								Vol Clean Pump (bbl)		Vol Slurry (bbl)	
								Additive Proppant		Type	
								Amount		Units	
								Sand Size			
								Additive Proppant		Type	
								Amount		Units	
								Sand Size			
								Stg #		Start Date	
								Top Depth (ftKB)		Bottom Depth (ftKB)	
								Vol Clean Pump (bbl)		Vol Slurry (bbl)	
								Additive Proppant		Type	
								Amount		Units	
								Sand Size			
								Additive Proppant		Type	
								Amount		Units	
								Sand Size			
								Stg #		Start Date	
								Top Depth (ftKB)		Bottom Depth (ftKB)	
								Vol Clean Pump (bbl)		Vol Slurry (bbl)	
								Additive Proppant		Type	
								Amount		Units	
								Sand Size			
								Additive Proppant		Type	
								Amount		Units	
								Sand Size			
								Stg #		Start Date	
								Top Depth (ftKB)		Bottom Depth (ftKB)	
								Vol Clean Pump (bbl)		Vol Slurry (bbl)	
								Additive Proppant		Type	
								Amount		Units	
								Sand Size			
								Additive Proppant		Type	
								Amount		Units	
								Sand Size			
								Stg #		Start Date	
								Top Depth (ftKB)		Bottom Depth (ftKB)	
								Vol Clean Pump (bbl)		Vol Slurry (bbl)	
								Additive Proppant		Type	
								Amount		Units	
								Sand Size			
								Additive Proppant		Type	
								Amount		Units	
								Sand Size			
								Stg #		Start Date	
								Top Depth (ftKB)		Bottom Depth (ftKB)	
								Vol Clean Pump (bbl)		Vol Slurry (bbl)	
								Additive Proppant		Type	
								Amount		Units	
								Sand Size			
								Additive Proppant		Type	
								Amount		Units	
								Sand Size			
								Stg #		Start Date	
								Top Depth (ftKB)		Bottom Depth (ftKB)	
								Vol Clean Pump (bbl)		Vol Slurry (bbl)	
								Additive Proppant		Type	
								Amount		Units	
								Sand Size			
								Additive Proppant		Type	
								Amount		Units	
								Sand Size			
								Stg #		Start Date	
								Top Depth (ftKB)		Bottom Depth (ftKB)	
								Vol Clean Pump (bbl)		Vol Slurry (bbl)	
								Additive Proppant		Type	
								Amount		Units	
								Sand Size			
								Additive Proppant		Type	
								Amount		Units	
								Sand Size			
								Stg #		Start Date	
								Top Depth (ftKB)		Bottom Depth (ftKB)	
								Vol Clean Pump (bbl)		Vol Slurry (bbl)	
								Additive Proppant		Type	
								Amount		Units	
								Sand Size			
								Additive Proppant		Type	
								Amount		Units	
								Sand Size			
								Stg #		Start Date	
								Top Depth (ftKB)		Bottom Depth (ftKB)	
								Vol Clean Pump (bbl)		Vol Slurry (bbl)	
								Additive Proppant		Type	
								Amount		Units	
								Sand Size			
								Additive Proppant		Type	
								Amount		Units	
								Sand Size			
								Stg #		Start Date	
								Top Depth (ftKB)		Bottom Depth (ftKB)	
								Vol Clean Pump (bbl)		Vol Slurry (bbl)	
								Additive Proppant		Type	
								Amount		Units	
								Sand Size			
								Additive Proppant		Type	
								Amount		Units	
								Sand Size			
								Stg #		Start Date	
								Top Depth (ftKB)		Bottom Depth (ftKB)	
								Vol Clean Pump (bbl)		Vol Slurry (bbl)	
								Additive Proppant		Type	
								Amount		Units	
								Sand Size			
								Additive Proppant		Type	
								Amount		Units	
								Sand Size			
								Stg #		Start Date	
								Top Depth (ftKB)		Bottom Depth (ftKB)	
								Vol Clean Pump (bbl)		Vol Slurry (bbl)	
								Additive Proppant		Type	
								Amount		Units	
								Sand Size			
								Additive Proppant		Type	
								Amount		Units	
								Sand Size			
								Stg #		Start Date	
								Top Depth (ftKB)		Bottom Depth (ftKB)	
								Vol Clean Pump (bbl)		Vol Slurry (bbl)	
								Additive Proppant		Type	
								Amount		Units	
								Sand Size			
								Additive Proppant		Type	
								Amount		Units	
								Sand Size			
								Stg #		Start Date	
								Top Depth (ftKB)		Bottom Depth (ftKB)	
								Vol Clean Pump (bbl)		Vol Slurry (bbl)	
								Additive Proppant		Type	
								Amount		Units	
								Sand Size			
								Additive Proppant		Type	
								Amount		Units	
								Sand Size			
								Stg #		Start Date	
								Top Depth (ftKB)		Bottom Depth (ftKB)	
								Vol Clean Pump (bbl)		Vol Slurry (bbl)	
								Additive Proppant		Type	
								Amount		Units	
								Sand Size			
								Additive Proppant		Type	

Report Printed: 9/11/2015



Lease Review

Well Name: RAZOR 11H-0215A

API Number	WPC ID	Well Permit Number	Field Name	County	State
051233859800	1CO0761149		Wildcat	Weld	CO
Well Configuration Type	Orig KB Elv (ft)	Ground Elevation (ft)	Casing Flange Elevation (ft)	Tubing Head Elevation (ft)	Total Depth (ftKB)
Lateral/Horizontal	4,975.00	4,954.00			12,751.0
Original Spud Date	Completion Date	Asset Group	Responsible Engineer	N/S Dist (ft)	N/S Ref
3/8/2015	6/1/2015	Retail	Charles Ohlson	2,180.0	FNL
				E/W Dist (ft)	E/W Ref
				368.0	FEL
Lot	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Section
	SE	NE			11
					Section Suffix
					Section Type
					Township
					10
					N
					Range
					58
					W
					Meridian

Lateral/Horizontal - Original Hole, 9/11/2015 10:17:18 AM					Other In Hole					
MD (ftKB)	D (ft KB)	n c l (Vertical schematic (actual)	Logs	Des	OD (in)	Run Date	Pull Date	Top (ftKB)	Btm (ftKB)
53.5	0.0	0.0			Frac Plug	4	5/27/2015	6/18/2015	11,960.0	11,962.0
1,755.6	1.7542	15.6			Frac Plug	4	5/27/2015	6/18/2015	12,173.0	12,175.0
1,841.9	1.8373	15.5			Frac Plug	4	5/26/2015	6/18/2015	12,228.0	12,230.0
3,242.5	3.1856	11.8			Frac Plug	4	5/26/2015	6/18/2015	12,380.0	12,382.0
4,269.7	4.1878	11.8			Frac Plug	4	5/26/2015	6/18/2015	12,583.0	12,585.0
Bottom Hole Cores										
Date		Core #		Top (ftKB)		Btm (ftKB)		Recov (ft)		