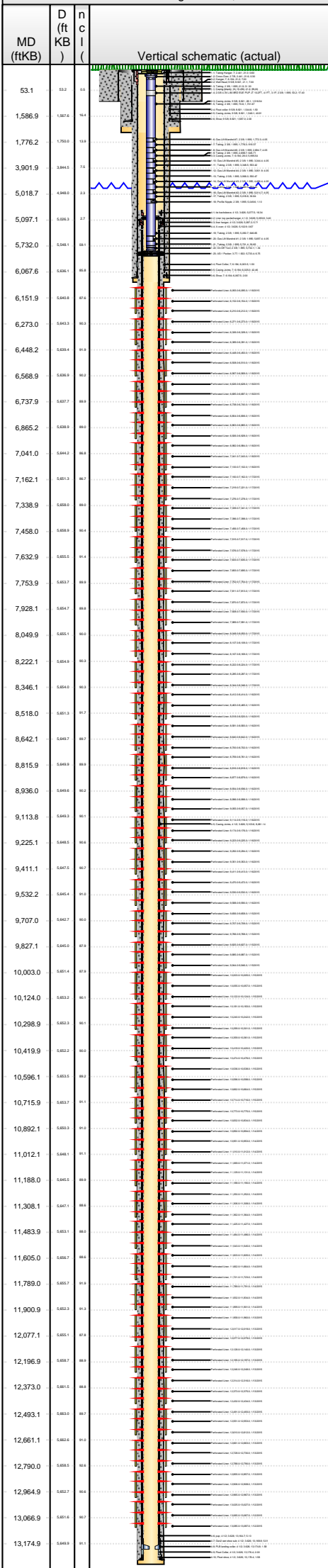




Lease Review
Well Name: RAZOR 27J-3411A

API Number 051233806100	WPC ID 1CO076893	Well Permit Number	Field Name DJ Horizontal Niobrara	County Weld	State CO
Well Configuration Type Lateral/Horizontal	Orig KB Elv (ft) 4,785.00	Ground Elevation (ft) 4,767.00	Casing Flange Elevation (ft)	Tubing Head Elevation (ft)	Total Depth (ftKB) 13,185.0
Original Spud Date 10/19/2014	Completion Date 1/18/2015	Asset Group Retail	Responsible Engineer Charles Ohlson	N/S Dist (ft) 2,319.0 N/S Ref FSL	E/W Dist (ft) 1,947.0 E/W Ref FEL
Lot	Quarter 1 NWSE	Quarter 2	Quarter 3	Quarter 4	Section 27
			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 2:15:37 PM



Wellbore Sections

Section Des	Wellbore Name	Start Date	Size (in)	Act Top (ftKB)	Act Btm (ftKB)
Conductor	Original Hole	1/14/2014	24	21.0	80.0
Surface	Original Hole	10/19/2014	13 1/2	80.0	1,600.0
Intermediate	Original Hole	10/20/2014	8 3/4	1,600.0	6,080.0
Lateral	Original Hole	10/23/2014	6	6,080.0	13,185.0

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 (black)

Surface Csg, 1,589.0ftKB

OD (in)	Wt (lb/ft)	Grade	Top (ftKB)	Btm (ftKB)	Len (ft)	Item Des
9 5/8	36.00	J-55	21.1	21.1	0.00	Landing joint
9 5/8	36.00	J-55	21.1	28.1	7.00	Well Head
9 5/8	36.00	J-55	28.1	1,544.6	1,516.54	Casing Joints
9 5/8	36.00	J-55	1,544.6	1,546.1	1.50	Float collar
9 5/8	36.00	J-55	1,546.1	1,587.0	40.91	Casing Joints
9 5/8	36.00	J-55	1,587.0	1,589.0	2.00	Shoe

Intermediate Csg, 6,069.5ftKB

OD (in)	Wt (lb/ft)	Grade	Top (ftKB)	Btm (ftKB)	Len (ft)	Item Des
7	29.00	P-110	21.0	21.0	0.00	Landing joint
7	29.00	P-110	21.0	28.0	7.00	Hanger
7	29.00	P-110	28.0	6,023.5	5,995.54	Casing Joints
7	29.00	P-110	6,023.5	6,025.0	1.50	Float Collar
7	29.00	P-110	6,025.0	6,067.5	42.46	Casing Joints
7	29.00	P-110	6,067.5	6,069.5	2.00	Shoe

Liner, 13,180.0ftKB

OD (in)	Wt (lb/ft)	Grade	Top (ftKB)	Btm (ftKB)	Len (ft)	Item Des
4 1/2	11.60	P-110	5,077.5	5,093.8	16.34	tie backsleeve
4 1/2	11.60	P-110	5,093.8	5,097.2	3.40	Liner top packerhanger
4 1/2	11.60	P-110	5,097.2	5,102.9	5.71	liner hanger
4 1/2	11.60	P-110	5,102.9	5,103.6	0.67	X-over
4 1/2	11.60	P-110	5,103.6	13,164.7	8,061.14	Casing Joints
4 1/2	11.60	P-110	13,164.7	13,169.8	5.10	pup
4 1/2	11.60	P-110	13,169.8	13,174.8	5.01	Gen2 wet shoe sub
4 1/2	11.60	P-110	13,174.8	13,176.4	1.58	PLB landing collar
4 1/2	11.60	P-110	13,176.4	13,178.4	2.00	Float Collar
4 1/2	11.60	P-110	13,178.4	13,180.0	1.58	Float shoe

Cement Stages

Des	Pump Start Date	Drill Out Date	Top (ftKB)	Btm (ftKB)	Top Meas Meth
Conductor Cement	2/18/2014		21.0	80.0	Returns to Surface
Surface Casing Cement	10/20/2014		21.0	1,590.0	Returns to Surface
Intermediate Casing Cement	10/22/2014		21.0	6,069.5	Returns to Surface
Liner Cement	10/28/2014		5,077.5	13,180.0	Volume Calculations

Perforations

Type of Hole	Date	Top (ftKB)	Btm (ftKB)	Zone
Perforated Liner	1/18/2015	6,093.0	6,095.0	Niobrara, Original Hole
Perforated Liner	1/18/2015	6,152.0	6,154.0	Niobrara, Original Hole
Perforated Liner	1/18/2015	6,210.0	6,212.0	Niobrara, Original Hole
Perforated Liner	1/18/2015	6,271.0	6,273.0	Niobrara, Original Hole
Perforated Liner	1/18/2015	6,326.0	6,328.0	Niobrara, Original Hole
Perforated Liner	1/18/2015	6,389.0	6,391.0	Niobrara, Original Hole
Perforated Liner	1/18/2015	6,448.0	6,450.0	Niobrara, Original Hole
Perforated Liner	1/18/2015	6,508.0	6,510.0	Niobrara, Original Hole
Perforated Liner	1/18/2015	6,567.0	6,569.0	Niobrara, Original Hole
Perforated Liner	1/18/2015	6,626.0	6,628.0	Niobrara, Original Hole
Perforated Liner	1/18/2015	6,685.0	6,687.0	Niobrara, Original Hole
Perforated Liner	1/18/2015	6,738.0	6,740.0	Niobrara, Original Hole
Perforated Liner	1/18/2015	6,804.0	6,806.0	Niobrara, Original Hole
Perforated Liner	1/18/2015	6,863.0	6,865.0	Niobrara, Original Hole
Perforated Liner	1/18/2015	6,926.0	6,928.0	Niobrara, Original Hole
Perforated Liner	1/18/2015	6,982.0	6,984.0	Niobrara, Original Hole
Perforated Liner	1/18/2015	7,041.0	7,043.0	Niobrara, Original Hole
Perforated Liner	1/18/2015	7,100.0	7,102.0	Niobrara, Original Hole
Perforated Liner	1/17/2015	7,160.0	7,162.0	Niobrara, Original Hole
Perforated Liner	1/17/2015	7,219.0	7,221.0	Niobrara, Original Hole
Perforated Liner	1/17/2015	7,276.0	7,278.0	Niobrara, Original Hole
Perforated Liner	1/17/2015	7,339.0	7,341.0	Niobrara, Original Hole
Perforated Liner	1/17/2015	7,396.0	7,398.0	Niobrara, Original Hole
Perforated Liner	1/17/2015	7,456.0	7,458.0	Niobrara, Original Hole
Perforated Liner	1/17/2015	7,515.0	7,517.0	Niobrara, Original Hole
Perforated Liner	1/17/2015	7,576.0	7,578.0	Niobrara, Original Hole



Lease Review
Well Name: RAZOR 27J-3411A

API Number 051233806100			WPC ID 1CO076893			Well Permit Number			Field Name DJ Horizontal Niobrara			County Weld			State CO			
Well Configuration Type Lateral/Horizontal					Orig KB Elv (ft) 4,785.00		Ground Elevation (ft) 4,767.00		Casing Flange Elevation (ft)		Tubing Head Elevation (ft)		Total Depth (ft)KB 13,185.0					
Original Spud Date 10/19/2014			Completion Date 1/18/2015		Asset Group Redtail			Responsible Engineer Charles Ohlson			N/S Dist (ft) 2,319.0		N/S Ref FSL		E/W Dist (ft) 1,947.0		E/W Ref FEL	
Lot		Quarter 1 NWSE	Quarter 2	Quarter 3	Quarter 4	Section 27	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 2:15:39 PM										Perforations				
MD (ftKB)	D (ftKB)	n (ftKB)	c (ftKB)	l (ftKB)	Vertical schematic (actual)	Logs	Type of Hole		Date	Top (ftKB)	Btm (ftKB)	Zone		
53.1	0.32	0.5					Perforated Liner		1/17/2015	7,633.0	7,635.0	Niobrara, Original Hole		
1,586.9	1.027.0	74.5					Perforated Liner		1/17/2015	7,693.0	7,695.0	Niobrara, Original Hole		
1,776.2	1.750.0	11.0					Perforated Liner		1/17/2015	7,752.0	7,754.0	Niobrara, Original Hole		
3,901.9	3.944.5	7.5					Perforated Liner		1/17/2015	7,811.0	7,813.0	Niobrara, Original Hole		
5,018.7	4.040.0	2.5					Perforated Liner		1/17/2015	7,870.0	7,872.0	Niobrara, Original Hole		
5,097.1	5.003.5	2.7					Perforated Liner		1/17/2015	7,928.0	7,930.0	Niobrara, Original Hole		
5,732.0	5.546.1	0.1					Perforated Liner		1/17/2015	7,989.0	7,991.0	Niobrara, Original Hole		
6,067.6	5.526.5	0.8					Perforated Liner		1/17/2015	8,048.0	8,050.0	Niobrara, Original Hole		
6,151.9	5.540.8	07.6					Perforated Liner		1/17/2015	8,107.0	8,109.0	Niobrara, Original Hole		
6,273.0	5.543.3	00.3					Perforated Liner		1/17/2015	8,167.0	8,169.0	Niobrara, Original Hole		
6,448.2	5.534.8	01.9					Perforated Liner		1/17/2015	8,222.0	8,224.0	Niobrara, Original Hole		
6,568.9	5.536.3	00.2					Perforated Liner		1/17/2015	8,285.0	8,287.0	Niobrara, Original Hole		
6,737.9	5.537.7	00.0					Perforated Liner		1/17/2015	8,344.0	8,346.0	Niobrara, Original Hole		
6,865.2	5.538.9	00.0					Perforated Liner		1/17/2015	8,412.0	8,414.0	Niobrara, Original Hole		
7,041.0	5.540.3	00.3					Perforated Liner		1/17/2015	8,463.0	8,465.0	Niobrara, Original Hole		
7,162.1	5.551.3	00.2					Perforated Liner		1/17/2015	8,518.0	8,520.0	Niobrara, Original Hole		
7,338.9	5.550.0	00.0					Perforated Liner		1/17/2015	8,581.0	8,583.0	Niobrara, Original Hole		
7,458.0	5.558.0	00.4					Perforated Liner		1/17/2015	8,640.0	8,642.0	Niobrara, Original Hole		
7,632.9	5.555.0	01.6					Perforated Liner		1/17/2015	8,700.0	8,702.0	Niobrara, Original Hole		
7,753.9	5.553.7	00.0					Perforated Liner		1/17/2015	8,759.0	8,761.0	Niobrara, Original Hole		
7,928.1	5.554.7	00.0					Perforated Liner		1/17/2015	8,816.0	8,818.0	Niobrara, Original Hole		
8,049.9	5.555.1	00.3					Perforated Liner		1/17/2015	8,877.0	8,879.0	Niobrara, Original Hole		
8,222.1	5.554.8	00.3					Perforated Liner		1/17/2015	8,934.0	8,936.0	Niobrara, Original Hole		
8,346.1	5.554.0	00.3					Perforated Liner		1/17/2015	8,996.0	8,998.0	Niobrara, Original Hole		
8,518.0	5.551.5	01.7					Perforated Liner		1/17/2015	9,055.0	9,057.0	Niobrara, Original Hole		
8,642.1	5.550.7	00.2					Perforated Liner		1/17/2015	9,114.0	9,116.0	Niobrara, Original Hole		
8,815.9	5.549.0	00.0					Perforated Liner		1/17/2015	9,174.0	9,176.0	Niobrara, Original Hole		
8,936.0	5.549.0	00.2					Perforated Liner		1/17/2015	9,223.0	9,225.0	Niobrara, Original Hole		
9,113.8	5.549.3	00.1					Perforated Liner		1/17/2015	9,292.0	9,294.0	Niobrara, Original Hole		
9,225.1	5.549.0	00.6					Perforated Liner		1/17/2015	9,351.0	9,353.0	Niobrara, Original Hole		
9,411.1	5.547.0	00.7					Perforated Liner		1/17/2015	9,411.0	9,413.0	Niobrara, Original Hole		
9,532.2	5.545.0	01.0					Perforated Liner		1/17/2015	9,470.0	9,472.0	Niobrara, Original Hole		
9,707.0	5.542.7	00.0					Perforated Liner		1/17/2015	9,530.0	9,532.0	Niobrara, Original Hole		
9,827.1	5.540.0	01.0					Perforated Liner		1/17/2015	9,588.0	9,590.0	Niobrara, Original Hole		
10,003.0	5.541.4	01.0					Perforated Liner		1/15/2015	9,656.0	9,658.0	Niobrara, Original Hole		
10,124.0	5.533.0	00.1					Perforated Liner		1/15/2015	9,707.0	9,709.0	Niobrara, Original Hole		
10,298.9	5.532.3	00.5					Perforated Liner		1/15/2015	9,766.0	9,768.0	Niobrara, Original Hole		
10,419.9	5.532.2	00.0					Perforated Liner		1/15/2015	9,825.0	9,827.0	Niobrara, Original Hole		
10,596.1	5.533.0	00.3					Perforated Liner		1/15/2015	9,885.0	9,887.0	Niobrara, Original Hole		
10,715.9	5.533.7	01.5					Perforated Liner		1/15/2015	9,944.0	9,946.0	Niobrara, Original Hole		
10,892.1	5.533.0	01.0					Perforated Liner		1/15/2015	10,003.0	10,005.0	Niobrara, Original Hole		
11,012.1	5.546.1	01.1					Perforated Liner		1/15/2015	10,055.0	10,057.0	Niobrara, Original Hole		
11,188.0	5.546.0	00.0					Perforated Liner		1/15/2015	10,122.0	10,124.0	Niobrara, Original Hole		
11,308.1	5.547.4	00.6					Perforated Liner		1/15/2015	10,181.0	10,183.0	Niobrara, Original Hole		
11,483.9	5.553.1	00.0					Perforated Liner		1/15/2015	10,240.0	10,242.0	Niobrara, Original Hole		
11,605.0	5.550.7	00.8					Perforated Liner		1/15/2015	10,299.0	10,301.0	Niobrara, Original Hole		
11,789.0	5.555.7	01.0					Perforated Liner		1/15/2015	10,359.0	10,361.0	Niobrara, Original Hole		
11,900.9	5.552.0	01.0					Perforated Liner		1/15/2015	10,418.0	10,420.0	Niobrara, Original Hole		
12,077.1	5.555.1	01.0					Perforated Liner		1/15/2015	10,474.0	10,476.0	Niobrara, Original Hole		
12,196.9	5.550.7	00.0					Perforated Liner		1/15/2015	10,536.0	10,538.0	Niobrara, Original Hole		
12,373.0	5.551.0	00.8					Perforated Liner		1/15/2015	10,596.0	10,598.0	Niobrara, Original Hole		
12,493.1	5.550.0	00.7					Perforated Liner		1/15/2015	10,662.0	10,664.0	Niobrara, Original Hole		
12,661.1	5.550.0	01.0					Perforated Liner		1/15/2015	10,714.0	10,716.0	Niobrara, Original Hole		
12,790.0	5.550.0	01.0					Perforated Liner		1/15/2015	10,773.0	10,775.0	Niobrara, Original Hole		
12,964.9	5.552.7	00.6					Perforated Liner		1/15/2015	10,832.0	10,834.0	Niobrara, Original Hole		
13,066.9	5.551.0	00.3					Perforated Liner		1/14/2015	10,892.0	10,894.0	Niobrara, Original Hole		
13,174.9	5.549.0	01.1					Perforated Liner		1/14/2015	10,951.0	10,953.0	Niobrara, Original Hole		
							Perforated Liner		1/14/2015	11,010.0	11,012.0	Niobrara, Original Hole		
							Perforated Liner		1/14/2015	11,069.0	11,071.0	Niobrara, Original Hole		
							Perforated Liner		1/14/2015	11,129.0	11,131.0	Niobrara, Original Hole		
							Perforated Liner		1/14/2015	11,188.0	11,190.0	Niobrara, Original Hole		
							Perforated Liner		1/14/2015	11,250.0	11,252.0	Niobrara, Original Hole		
							Perforated Liner		1/14/2015	11,306.0	11,308.0	Niobrara, Original Hole		
							Perforated Liner		1/14/2015	11,362.0	11,364.0	Niobrara, Original Hole		
							Perforated Liner		1/14/2015	11,425.0	11,427.0	Niobrara, Original Hole		
							Perforated Liner		1/14/2015	11,484.0	11,486.0	Niobrara, Original Hole		
							Perforated Liner		1/14/2015	11,543.0	11,545.0	Niobrara, Original Hole		
							Perforated Liner		1/14/2015	11,603.0	11,605.0	Niobrara, Original Hole		
							Perforated Liner		1/14/2015	11,662.0	11,664.0	Niobrara, Original Hole		
							Perforated Liner		1/14/2015	11,721.0	11,723.0	Niobrara, Original Hole		
							Perforated Liner		1/14/2015	11,789.0	11,791.0	Niobrara, Original Hole		



Lease Review
Well Name: RAZOR 27J-3411A

API Number 051233806100			WPC ID 1CO076893			Well Permit Number			Field Name DJ Horizontal Niobrara			County Weld			State CO			
Well Configuration Type Lateral/Horizontal					Orig KB Elv (ft) 4,785.00		Ground Elevation (ft) 4,767.00		Casing Flange Elevation (ft)		Tubing Head Elevation (ft)		Total Depth (ftKB) 13,185.0					
Original Spud Date 10/19/2014			Completion Date 1/18/2015		Asset Group Redtail			Responsible Engineer Charles Ohlson			N/S Dist (ft) 2,319.0		N/S Ref FSL		E/W Dist (ft) 1,947.0		E/W Ref FEL	
Lot		Quarter 1 NWSE	Quarter 2	Quarter 3	Quarter 4	Section 27	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 2:15:40 PM						Perforations								
MD (ftKB)	D (ftKB)	n (ftKB)	c (ftKB)	l (ftKB)	Vertical schematic (actual)	Logs	Type of Hole		Date	Top (ftKB)	Btm (ftKB)	Zone		
							Perforated Liner		1/14/2015	11,832.0	11,834.0	Niobrara, Original Hole		
							Perforated Liner		1/14/2015	11,899.0	11,901.0	Niobrara, Original Hole		
53.1	0.32	0.5					Perforated Liner		1/13/2015	11,958.0	11,960.0	Niobrara, Original Hole		
1,586.9	1.927.0	74.5					Perforated Liner		1/13/2015	12,017.0	12,019.0	Niobrara, Original Hole		
1,776.2	1.750.0	11.0					Perforated Liner		1/13/2015	12,077.0	12,079.0	Niobrara, Original Hole		
3,901.9	3.943.5	7.0					Perforated Liner		1/13/2015	12,128.0	12,140.0	Niobrara, Original Hole		
5,018.7	4.040.0	21.0					Perforated Liner		1/13/2015	12,195.0	12,197.0	Niobrara, Original Hole		
5,097.1	5.003.0	2.7					Perforated Liner		1/13/2015	12,246.0	12,248.0	Niobrara, Original Hole		
5,732.0	5.546.1	58.1					Perforated Liner		1/13/2015	12,314.0	12,316.0	Niobrara, Original Hole		
6,067.6	5.526.1	58.8					Perforated Liner		1/13/2015	12,373.0	12,375.0	Niobrara, Original Hole		
6,151.9	5.540.8	57.6					Perforated Liner		1/13/2015	12,432.0	12,434.0	Niobrara, Original Hole		
6,273.0	5.543.0	58.3					Perforated Liner		1/13/2015	12,491.0	12,493.0	Niobrara, Original Hole		
6,448.2	5.536.4	59.0					Perforated Liner		1/13/2015	12,551.0	12,553.0	Niobrara, Original Hole		
6,568.9	5.536.0	59.2					Perforated Liner		1/13/2015	12,610.0	12,612.0	Niobrara, Original Hole		
6,737.9	5.537.7	58.9					Perforated Liner		1/13/2015	12,661.0	12,663.0	Niobrara, Original Hole		
6,865.2	5.538.9	58.0					Perforated Liner		1/13/2015	12,728.0	12,730.0	Niobrara, Original Hole		
7,041.0	5.540.0	58.3					Perforated Liner		1/13/2015	12,788.0	12,790.0	Niobrara, Original Hole		
7,162.1	5.551.3	58.2					Perforated Liner		1/13/2015	12,855.0	12,857.0	Niobrara, Original Hole		
7,338.9	5.550.0	58.0					Perforated Liner		1/13/2015	12,906.0	12,908.0	Niobrara, Original Hole		
7,458.0	5.553.9	58.4					Perforated Liner		1/13/2015	12,965.0	12,967.0	Niobrara, Original Hole		
7,632.9	5.555.0	59.6					Perforated Liner		1/12/2015	13,025.0	13,027.0	Niobrara, Original Hole		
7,753.9	5.553.7	58.9					Perforated Liner		1/12/2015	13,065.0	13,067.0	Niobrara, Original Hole		
7,928.1	5.564.7	58.8					Perforated Liner		1/12/2015	13,085.0	13,087.0	Niobrara, Original Hole		
8,049.9	5.555.1	58.3					Perforated Liner							
8,222.1	5.564.8	58.3					Perforated Liner							
8,346.1	5.564.0	58.3					Perforated Liner							
8,518.0	5.551.0	59.7					Perforated Liner							
8,642.1	5.560.7	59.2					Perforated Liner							
8,815.9	5.560.0	58.9					Perforated Liner							
8,936.0	5.560.0	58.2					Perforated Liner							
9,113.8	5.560.0	58.1					Perforated Liner							
9,225.1	5.560.0	58.6					Perforated Liner							
9,411.1	5.567.0	58.7					Perforated Liner							
9,532.2	5.564.0	59.0					Perforated Liner							
9,707.0	5.567.0	59.0					Perforated Liner							
9,827.1	5.565.0	57.9					Perforated Liner							
10,003.0	5.551.4	57.9					Perforated Liner							
10,124.0	5.553.0	58.1					Perforated Liner							
10,298.9	5.552.0	58.5					Perforated Liner							
10,419.9	5.552.0	58.0					Perforated Liner							
10,596.1	5.553.0	58.3					Perforated Liner							
10,715.9	5.553.7	59.1					Perforated Liner							
10,892.1	5.553.0	59.0					Perforated Liner							
11,012.1	5.561.0	59.1					Perforated Liner							
11,188.0	5.560.0	58.9					Perforated Liner							
11,308.1	5.567.4	58.6					Perforated Liner							
11,483.9	5.553.1	58.0					Perforated Liner							
11,605.0	5.556.1	58.8					Perforated Liner							
11,789.0	5.557.7	59.9					Perforated Liner							
11,900.9	5.552.0	59.3					Perforated Liner							
12,077.1	5.555.1	57.9					Perforated Liner							
12,196.9	5.550.7	58.3					Perforated Liner							
12,373.0	5.551.0	58.8					Perforated Liner							
12,493.1	5.553.0	58.7					Perforated Liner							
12,661.1	5.553.0	59.2					Perforated Liner							
12,790.0	5.553.0	59.6					Perforated Liner							
12,964.9	5.552.7	58.6					Perforated Liner							
13,066.9	5.551.0	58.3					Perforated Liner							
13,174.9	5.549.0	59.1					Perforated Liner							
Sand Frac on 1/12/2015 06:00														
Comment												Min Top De...	Max Btm D...	Frac Length (ft)
Treatment End Date:1/18/2015; Number of staged intervals: 40; Min frac gradient: 0.819 psi/ft; Number of perms: 1440; Total 15% HCl used: 960 bbl; 76080 bbl Medallion XL Gel, 12498 bbl Medallion Linear Gel, 26804 bbl Slickwater												6,093.0	13,087.0	
Stim/Treat Fluids														
Medallion XL Gel ; Medallion Linear Gel; 15% HCL, <fluidtyp>														
Proppant Frm (lb)		Total Clean Vol...		Avg Treat Rate...		Max Treat Rate...		Avg Treat Press...		P Max (psi)		Frac Gradient (p...		
5,933,739.0		116341.00		45.80		58.60		4,135.0		7,802.0		0.87		
Stim/Treat Stages														
Stg #	Start Date			Top Depth (ftKB)		Bottom Depth (ftKB)		Vol Clean Pump (bbl)		Vol Slurry (bbl)				
1	1/12/2015			13,025.0		13,087.0		2704.20		2814.40				
Additive		Type		Amount		Units		Sand Size						
Proppant		20/40 WS		99,366.2		lb		20/40						
Additive		Type		Amount		Units		Sand Size						
Proppant		40/70 WS		3,038.0		lb		40/70						
Stg #	Start Date			Top Depth (ftKB)		Bottom Depth (ftKB)		Vol Clean Pump (bbl)		Vol Slurry (bbl)				
2	1/12/2015			12,855.0		12,967.0		2706.50		2818.80				
Additive		Type		Amount		Units		Sand Size						
Proppant		20/40 WS		101,459.1		lb		20/40						
Additive		Type		Amount		Units		Sand Size						
Proppant		40/70 WS		2,806.0		lb		40/70						
Stg #	Start Date			Top Depth (ftKB)		Bottom Depth (ftKB)		Vol Clean Pump (bbl)		Vol Slurry (bbl)				
3	1/13/2015			12,661.0		12,790.0		2759.60		2887.50				
Additive		Type		Amount		Units		Sand Size						
Proppant		20/40 WS		115,978.6		lb		20/40						
Additive		Type		Amount		Units		Sand Size						
Proppant		40/70 WS		2,785.0		lb		40/70						
Stg #	Start Date			Top Depth (ftKB)		Bottom Depth (ftKB)		Vol Clean Pump (bbl)		Vol Slurry (bbl)				
4	1/13/2015			12,491.0		12,612.0		2997.30		3166.90				
Additive		Type		Amount		Units		Sand Size						
Proppant		20/40 WS		154,873.1		lb		20/40						
Additive		Type		Amount		Units		Sand Size						
Proppant		40/70 WS		2,673.0		lb		40/70						
Stg #	Start Date			Top Depth (ftKB)		Bottom Depth (ftKB)		Vol Clean Pump (bbl)		Vol Slurry (bbl)				
5	1/13/2015			12,314.0		12,434.0		3012.00		3182.70				
Additive		Type		Amount		Units		Sand Size						
Proppant		20/40 WS		155,916.4		lb		20/40						
Additive		Type		Amount		Units		Sand Size						
Proppant		40/70 WS		2,646.0		lb		40/70						
Stg #	Start Date			Top Depth (ftKB)		Bottom Depth (ftKB)		Vol Clean Pump (bbl)		Vol Slurry (bbl)				
6	1/13/2015			12,128.0		12,248.0		2852.60		3003.00				
Additive		Type		Amount		Units		Sand Size						
Proppant		20/40 WS		136,586.7		lb		20/40						
Additive		Type		Amount		Units		Sand Size						
Proppant		40/70 WS		3,095.0		lb		40/70						
Stg #	Start Date			Top Depth (ftKB)		Bottom Depth (ftKB)		Vol Clean Pump (bbl)		Vol Slurry (bbl)				
7	1/13/2015			11,958.0		12,079.0		2697.10		2832.70				
Additive		Type		Amount		Units		Sand Size						
Proppant		20/40 WS		123,085.7		lb		20/40						
Additive		Type		Amount		Units		Sand Size						
Proppant		40/70 WS		2,904.0		lb		40/70						
Stg #	Start Date			Top Depth (ftKB)		Bottom Depth (ftKB)		Vol Clean Pump (bbl)		Vol Slurry (bbl)				
8	1/14/2015			11,789.0		11,901.0		2963.20		3134.00				
Additive		Type		Amount		Units		Sand Size						
Proppant		20/40 WS		155,679.4		lb		20/40						
Additive		Type		Amount		Units		Sand Size						
Proppant		40/70 WS		2,993.0		lb		40/70						
Stg #	Start Date			Top Depth (ftKB)		Bottom Depth (ftKB)		Vol Clean Pump (bbl)		Vol Slurry (bbl)				
9	1/14/2015			11,603.0		11,723.0		2962.80		3120.50				
Additive		Type		Amount		Units		Sand Size						
Proppant		20/40 WS		143,524.1		lb		20/40						



Lease Review
Well Name: RAZOR 27J-3411A

Well Number 051233806100			WPC ID 1CO076893			Well Permit Number			Field Name DJ Horizontal Niobrara			County Weld			State CO													
Well Configuration Type Lateral/Horizontal			Orig KB Elv (ft) 4,785.00			Ground Elevation (ft) 4,767.00			Casing Flange Elevation (ft)			Tubing Head Elevation (ft)			Total Depth (ftKB) 13,185.0													
Original Spud Date 10/19/2014			Completion Date 1/18/2015			Asset Group Redtail			Responsible Engineer Charles Ohlson			N/S Dist (ft) 2,319.0			N/S Ref FSL			E/W Dist (ft) 1,947.0			E/W Ref FEL							
Lot			Quarter 1 NWSE		Quarter 2		Quarter 3		Quarter 4		Section 27		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 2:15:42 PM																												
MD (ftKB)		D (ft KB)		n (ft)		c (ft)		l (ft)		Vertical schematic (actual)		Logs																
														Additive Proppant		Type 40/70 WS		Amount 2,980.0		Units lb		Sand Size 40/70						
Stg # 10		Start Date 1/14/2015				Top Depth (ftKB) 11,425.0				Bottom Depth (ftKB) 11,545.0				Vol Clean Pump (bbl) 2730.10				Vol Slurry (bbl) 2826.60										
														Additive Proppant		Type 20/40 WS		Amount 86,699.6		Units lb		Sand Size 20/40						
														Additive Proppant		Type 40/70 WS		Amount 2,895.0		Units lb		Sand Size 40/70						
Stg # 11		Start Date 1/14/2015				Top Depth (ftKB) 11,250.0				Bottom Depth (ftKB) 11,364.0				Vol Clean Pump (bbl) 2470.00				Vol Slurry (bbl) 2556.30										
														Additive Proppant		Type 20/40 WS		Amount 77,133.2		Units lb		Sand Size 20/40						
														Additive Proppant		Type 40/70 WS		Amount 2,980.0		Units lb		Sand Size 40/70						
Stg # 12		Start Date 1/14/2015				Top Depth (ftKB) 11,069.0				Bottom Depth (ftKB) 11,190.0				Vol Clean Pump (bbl) 3078.90				Vol Slurry (bbl) 3248.50										
														Additive Proppant		Type 20/40 WS		Amount 154,754.5		Units lb		Sand Size 20/40						
														Additive Proppant		Type 40/70 WS		Amount 2,814.0		Units lb		Sand Size 40/70						
Stg # 13		Start Date 1/14/2015				Top Depth (ftKB) 10,892.0				Bottom Depth (ftKB) 11,012.0				Vol Clean Pump (bbl) 3092.10				Vol Slurry (bbl) 3260.10										
														Additive Proppant		Type 20/40 WS		Amount 153,228.1		Units lb		Sand Size 20/40						
														Additive Proppant		Type 40/70 WS		Amount 2,853.0		Units lb		Sand Size 40/70						
Stg # 14		Start Date 1/14/2015				Top Depth (ftKB) 10,714.0				Bottom Depth (ftKB) 10,834.0				Vol Clean Pump (bbl) 3068.20				Vol Slurry (bbl) 3237.10										
														Additive Proppant		Type 20/40 WS		Amount 154,263.5		Units lb		Sand Size 20/40						
														Additive Proppant		Type 40/70 WS		Amount 2,572.0		Units lb		Sand Size 40/70						
Stg # 15		Start Date 1/15/2015				Top Depth (ftKB) 10,536.0				Bottom Depth (ftKB) 10,664.0				Vol Clean Pump (bbl) 3074.20				Vol Slurry (bbl) 3251.00										
														Additive Proppant		Type 20/40 WS		Amount 160,974.9		Units lb		Sand Size 20/40						
														Additive Proppant		Type 40/70 WS		Amount 3,224.0		Units lb		Sand Size 40/70						
Stg # 16		Start Date 1/15/2015				Top Depth (ftKB) 10,359.0				Bottom Depth (ftKB) 10,476.0				Vol Clean Pump (bbl) 3047.40				Vol Slurry (bbl) 3212.90										
														Additive Proppant		Type 20/40 WS		Amount 151,129.1		Units lb		Sand Size 20/40						
														Additive Proppant		Type 40/70 WS		Amount 2,620.0		Units lb		Sand Size 40/70						
Stg # 17		Start Date 1/15/2015				Top Depth (ftKB) 10,181.0				Bottom Depth (ftKB) 10,301.0				Vol Clean Pump (bbl) 3060.20				Vol Slurry (bbl) 3226.60										
														Additive Proppant		Type 20/40 WS		Amount 151,003.7		Units lb		Sand Size 20/40						
														Additive Proppant		Type 40/70 WS		Amount 3,563.0		Units lb		Sand Size 40/70						
Stg # 18		Start Date 1/15/2015				Top Depth (ftKB) 10,003.0				Bottom Depth (ftKB) 10,124.0				Vol Clean Pump (bbl) 2959.90				Vol Slurry (bbl) 3136.50										
														Additive Proppant		Type 20/40 WS		Amount 161,108.4		Units lb		Sand Size 20/40						
														Additive Proppant		Type 40/70 WS		Amount 2,906.0		Units lb		Sand Size 40/70						
Stg # 19		Start Date 1/15/2015				Top Depth (ftKB) 9,825.0				Bottom Depth (ftKB) 9,946.0				Vol Clean Pump (bbl) 2939.60				Vol Slurry (bbl) 3110.30										
														Additive Proppant		Type 20/40 WS		Amount 155,418.2		Units lb		Sand Size 20/40						
														Additive Proppant		Type 40/70 WS		Amount 3,109.0		Units lb		Sand Size 40/70						
Stg # 20		Start Date 1/15/2015				Top Depth (ftKB) 9,656.0				Bottom Depth (ftKB) 9,768.0				Vol Clean Pump (bbl) 2921.30				Vol Slurry (bbl) 3095.10										
														Additive Proppant		Type 20/40 WS		Amount 158,139.9		Units lb		Sand Size 20/40						
														Additive Proppant		Type 40/70 WS		Amount 3,260.0		Units lb		Sand Size 40/70						
Stg # 21		Start Date 1/15/2015				Top Depth (ftKB) 9,470.0				Bottom Depth (ftKB) 9,590.0				Vol Clean Pump (bbl) 2961.10				Vol Slurry (bbl) 3130.80										
														Additive Proppant		Type 20/40 WS		Amount 154,869.0		Units lb		Sand Size 20/40						
														Additive Proppant		Type 40/70 WS		Amount 2,752.0		Units lb		Sand Size 40/70						
Stg # 22		Start Date 1/16/2015				Top Depth (ftKB) 9,292.0				Bottom Depth (ftKB) 9,413.0				Vol Clean Pump (bbl) 2954.00				Vol Slurry (bbl) 3125.80										
														Additive Proppant		Type 20/40 WS		Amount 156,368.4		Units lb		Sand Size 20/40						
														Additive Proppant		Type 40/70 WS		Amount 3,249.0		Units lb		Sand Size 40/70						
Stg # 23		Start Date 1/16/2015				Top Depth (ftKB) 9,114.0				Bottom Depth (ftKB) 9,225.0				Vol Clean Pump (bbl) 2929.40				Vol Slurry (bbl) 3103.30										
														Additive Proppant		Type 20/40 WS		Amount 158,405.0		Units lb		Sand Size 20/40						
														Additive Proppant		Type 40/70 WS		Amount 3,149.0		Units lb		Sand Size 40/70						
Stg # 24		Start Date 1/16/2015				Top Depth (ftKB) 8,934.0				Bottom Depth (ftKB) 9,057.0				Vol Clean Pump (bbl) 2954.00				Vol Slurry (bbl) 3118.70										
														Additive Proppant		Type 20/40 WS		Amount 150,094.8		Units lb		Sand Size 20/40						
														Additive Proppant		Type 40/70 WS		Amount 2,856.0		Units lb		Sand Size 40/70						
Stg # 25		Start Date 1/16/2015				Top Depth (ftKB) 8,759.0				Bottom Depth (ftKB) 8,879.0				Vol Clean Pump (bbl) 2904.80				Vol Slurry (bbl) 3077.40										
														Additive Proppant		Type 20/40 WS		Amount 157,192.0		Units lb		Sand Size 20/40						

Page 5/7



Lease Review
Well Name: RAZOR 27J-3411A

API Number 051233806100			WPC ID 1CO076893			Well Permit Number			Field Name DJ Horizontal Niobrara			County Weld			State CO																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
Well Configuration Type Lateral/Horizontal			Orig KB Elv (ft) 4,785.00			Ground Elevation (ft) 4,767.00			Casing Flange Elevation (ft)			Tubing Head Elevation (ft)			Total Depth (ftKB) 13,185.0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
Original Spud Date 10/19/2014			Completion Date 1/18/2015			Asset Group Redtail			Responsible Engineer Charles Ohlson			N/S Dist (ft) 2,319.0			N/S Ref FSL			E/W Dist (ft) 1,947.0			E/W Ref FEL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
Lot		Quarter 1 NWSE		Quarter 2		Quarter 3		Quarter 4		Section 27		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 2:15:45 PM										Item Des				OD (in)		ID (in)		Len (ft)		Top (ftKB)		Btm (ftKB)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
MD (ftKB)		D (ft KB)		n (in)		c (in)		l (in)		t (in)		b (in)		s (in)		e (in)		r (in)		o (in)		d (in)		i (in)		a (in)		r (in)		t (in)		b (in)		s (in)		e (in)		r (in)		o (in)		d (in)		i (in)		a (in)		r (in)		t (in)		b (in)		s (in)		e (in)		r (in)		o (in)		d (in)		i (in)		a (in)		r (in)		t (in)		b (in)		s (in)		e (in)		r (in)		o (in)		d (in)		i (in)		a (in)		r (in)		t (in)		b (in)		s (in)		e (in)		r (in)		o (in)		d (in)		i (in)		a (in)		r (in)		t (in)		b (in)		s (in)		e (in)		r (in)		o (in)		d (in)		i (in)		a (in)		r (in)		t (in)		b (in)		s (in)		e (in)		r (in)		o (in)		d (in)		i (in)		a (in)		r (in)		t (in)		b (in)		s (in)		e (in)		r (in)		o (in)		d (in)		i (in)		a (in)		r (in)		t (in)		b (in)		s (in)		e (in)		r (in)		o (in)		d (in)		i (in)		a (in)		r (in)		t (in)		b (in)		s (in)		e (in)		r (in)		o (in)		d (in)		i (in)		a (in)		r (in)		t (in)		b (in)		s (in)		e (in)		r (in)		o (in)		d (in)		i (in)		a (in)		r (in)		t (in)		b (in)		s (in)		e (in)		r (in)		o (in)		d (in)		i (in)		a (in)		r (in)		t (in)		b (in)		s (in)		e (in)		r (in)		o (in)		d (in)		i (in)		a (in)		r (in)		t (in)		b (in)		s (in)		e (in)		r (in)		o (in)		d (in)		i (in)		a (in)		r (in)		t (in)		b (in)		s (in)		e (in)		r (in)		o (in)		d (in)		i (in)		a (in)		r (in)		t (in)		b (in)		s (in)		e (in)		r (in)		o (in)		d (in)		i (in)		a (in)		r (in)		t (in)		b (in)		s (in)		e (in)		r (in)		o (in)		d (in)		i (in)		a (in)		r (in)		t (in)		b (in)		s (in)		e (in)		r (in)		o (in)		d (in)		i (in)		a (in)		r (in)		t (in)		b (in)		s (in)		e (in)		r (in)		o (in)		d (in)		i (in)		a (in)		r (in)		t (in)		b (in)		s (in)		e (in)		r (in)		o (in)		d (in)		i (in)		a (in)		r (in)		t (in)		b (in)		s (in)		e (in)		r (in)		o (in)		d (in)		i (in)		a (in)		r (in)		t (in)		b (in)		s (in)		e (in)		r (in)		o (in)		d (in)		i (in)		a (in)		r (in)		t (in)		b (in)		s (in)		e (in)		r (in)		o (in)		d (in)		i (in)		a (in)		r (in)		t (in)		b (in)		s (in)		e (in)		r (in)		o (in)		d (in)		i (in)		a (in)		r (in)		t (in)		b (in)		s (in)		e (in)		r (in)		o (in)		d (in)		i (in)		a (in)		r (in)		t (in)		b (in)		s (in)		e (in)		r (in)		o (in)		d (in)		i (in)		a (in)		r (in)		t (in)		b (in)		s (in)		e (in)		r (in)		o (in)		d (in)		i (in)		a (in)		r (in)		t (in)		b (in)		s (in)		e (in)		r (in)		o (in)		d (in)		i (in)		a (in)		r (in)		t (in)		b (in)		s (in)		e (in)		r (in)		o (in)		d (in)		i (in)		a (in)		r (in)		t (in)		b (in)		s (in)		e (in)		r (in)		o (in)		d (in)		i (in)		a (in)		r (in)		t (in)		b (in)		s (in)		e (in)		r (in)		o (in)		d (in)		i (in)		a (in)		r (in)		t (in)		b (in)		s (in)		e (in)		r (in)		o (in)		d (in)		i (in)		a (in)		r (in)		t (in)		b (in)		s (in)		e (in)		r (in)		o (in)		d (in)		i (in)		a (in)		r (in)		t (in)		b (in)		s (in)		e (in)		r (in)		o (in)		d (in)		i (in)		a (in)		r (in)		t (in)		b (in)		s (in)		e (in)		r (in)		o (in)		d (in)		i (in)		a (in)		r (in)		t (in)		b (in)		s (in)		e (in)		r (in)		o (in)		d (in)		i (in)		a (in)		r (in)		t (in)		b (in)		s (in)		e (in)		r (in)		o (in)		d (in)		i (in)		a (in)		r (in)		t (in)		b (in)		s (in)		e (in)		r (in)		o (in)		d (in)		i (in)		a (in)		r (in)		t (in)		b (in)		s (in)		e (in)		r (in)		o (in)		d (in)		i (in)		a (in)		r (in)		t (in)		b (in)		s (in)		e (in)		r (in)		o (in)		d (in)		i (in)		a (in)		r (in)		t (in)		b (in)		s (in)		e (in)		r (in)		o (in)		d (in)		i (in)		a (in)		r (in)		t (in)		b (in)		s (in)		e (in)		r (in)		o (in)		d (in)		i (in)		a (in)		r (in)		t (in)		b (in)		s (in)		e (in)		r (in)		o (in)		d (in)		i (in)		a (in)		r (in)		t (in)		b (in)		s (in)		e (in)		r (in)		o (in)		d (in)		i (in)		a (in)		r (in)		t (in)		b (in)		s (in)		e (in)		r (in)		o (in)		d (in)		i (in)		a (in)		r (in)		t (in)		b (in)		s (in)		e (in)		r (in)		o (in)		d (in)		i (in)		a (in)		r (in)		t (in)		b (in)		s (in)		e (in)		r (in)		o (in)		d (in)		i (in)		a (in)		r (in)		t (in)		b (in)		s (in)		e (in)		r (in)		o (in)		d (in)		i (in)		a (in)		r (in)		t (in)		b (in)		s (in)		e (in)		r (in)		o (in)		d (in)		i (in)		a (in)		r (in)		t (in)		b (in)		s (in)		e (in)		r (in)		o (in)		d (in)		i (in)		a (in)		r (in)		t (in)		b (in)		s (in)		e (in)		r (in)		o (in)		d (in)		i (in)		a (in)		r (in)		t (in)		b (in)		s (in)		e (in)		r (in)		o (in)		d (in)		i (in)		a (in)		r (in)		t (in)		b (in)		s (in)		e (in)		r (in)		o (in)		d (in)		i (in)		a (in)		r (in)		t (in)		b (in)		s (in)		e (in)		r (in)		o (in)		d (in)		i (in)		a (in)		r (in)		t (in)		b (in)		s (in)		e (in)		r (in)		o (in)		d (in)		i (in)		a (in)		r (in)		t (in)		b (in)		s (in)		e (in)		r (in)		o (in)		d (in)		i (in)		a (in)		r (in)		t (in)		b (in)		s (in)		e (in)		r (in)		o (in)		d (in)		i (in)		a (in)		r (in)		t (in)		b (in)		s (in)		e (in)		r (in)		o (in)		d (in)		i (in)		a (in)		r (in)		t (in)		b (in)		s (in)		e (in)		r (in)		o (in)		d (in)		i (in)		a (in)		r (in)		t (in)		b (in)		s (in)		e (in)		r (in)		o (in)		d (in)		i (in)		a (in)		r (in)		t (in)		b (in)		s (in)		e (in)		r (in)		o (in)		d (in)		i (in)		a (in)		r (in)		t (in)		b (in)		s (



Lease Review

Well Name: RAZOR 27J-3411A

API Number 051233806100				WPC ID 1CO076893				Well Permit Number				Field Name DJ Horizontal Niobrara				County Weld		State CO			
Well Configuration Type Lateral/Horizontal						Orig KB Elv (ft) 4,785.00		Ground Elevation (ft) 4,767.00				Casing Flange Elevation (ft)				Tubing Head Elevation (ft)		Total Depth (ftKB) 13,185.0			
Original Spud Date 10/19/2014				Completion Date 1/18/2015		Asset Group Redtail				Responsible Engineer Charles Ohlson				N/S Dist (ft) 2,319.0		N/S Ref FSL		E/W Dist (ft) 1,947.0		E/W Ref FEL	
Lot		Quarter 1 NWSE	Quarter 2	Quarter 3	Quarter 4	Section 27	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 2:15:47 PM						Other In Hole															
MD (ftKB)	D (ft KB)	n ()	c ()	l ()		Logs															
							Des		OD (in)		Run Date		Pull Date		Top (ftKB)		Btm (ftKB)				
							CFP		4		1/13/2015		1/27/2015		12,995.0		12,997.0				
CFP		4		1/12/2015		1/27/2015		13,096.0		13,098.0											
Bottom Hole Cores																					
Date				Core #				Top (ftKB)				Btm (ftKB)				Recov (ft)					