

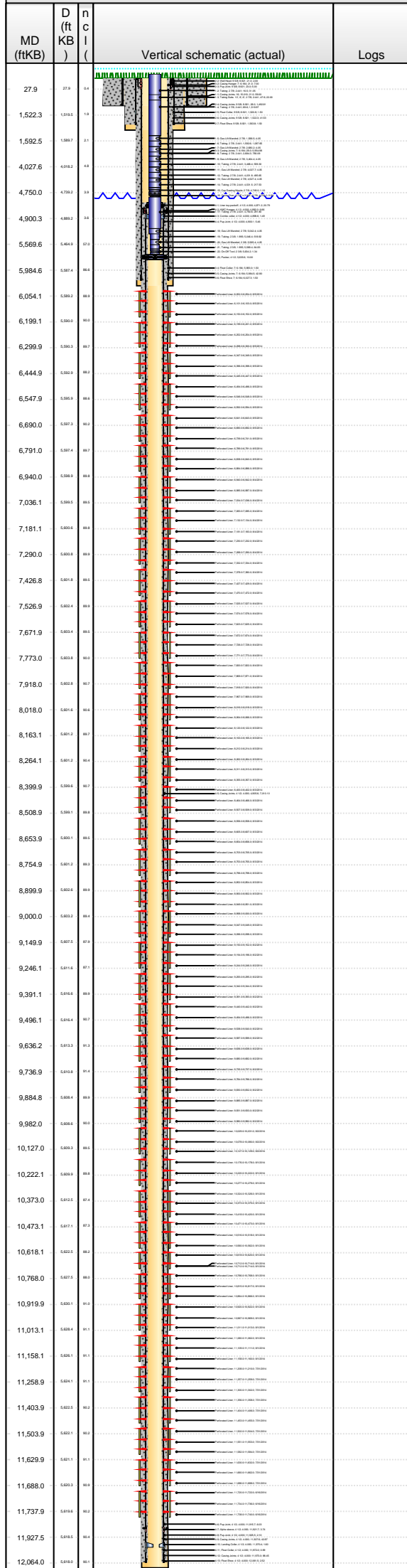


Lease Review

Well Name: RAZOR 26K-3507A

API Number 051233787400	WPC ID 1C0076989	Well Permit Number	Field Name DJ Horizontal Niobrara	County Weld	State CO
Well Configuration Type Lateral/Horizontal	Orig KB Elv (ft) 4,759.50	Ground Elevation (ft) 4,738.50	Casing Flange Elevation (ft)	Tubing Head Elevation (ft)	Total Depth (ftKB) 12,073.0
Original Spud Date 3/23/2014	Completion Date 8/6/2014	Asset Group Redtail	Responsible Engineer Andrew Fish	N/S Dist (ft) 2,449.0	N/S Ref FSL
				E/W Dist (ft) 2,015.0	E/W Ref FWL
Lot	Quarter 1 NE	Quarter 2 SW	Quarter 3	Quarter 4	Section 26
					Section Suffix
					Section Type
					Township 10 N
					Township N/S Dir
					Range 58
					Range E/W Dir W
					Meridian

Lateral/Horizontal - Original Hole, 12/2/2014 3:52:00 PM



Wellbore Sections

Wellbore Name	Start Date	Size (in)	Act Top (ftKB)	Act Btm (ftKB)
Original Hole	12/28/2013	24	21.0	80.0
Original Hole	3/23/2014	13 1/2	80.0	1,586.0
Original Hole	3/24/2014	8 3/4	1,586.0	6,043.0
Original Hole	3/27/2014	6	6,043.0	12,073.0

Conductor Pipe, 80.0ftKB

OD (in)	Wt (lb/ft)	Grade	Top (ftKB)	Btm (ftKB)	Len (ft)	Item Des
16	84.00	J-55	21.0	80.0	59.00	Casing Joints

Surface Csg, 1,565.3ftKB

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	23.0	2.00	Well Head
9 5/8	36.00	J-55	23.0	28.0	5.00	Pup Joint
9 5/8	36.00	J-55	28.0	1,520.8	1,492.81	Casing Joints
9 5/8	36.00	J-55	1,520.8	1,522.3	1.50	Float Collar
9 5/8	36.00	J-55	1,522.3	1,563.8	41.53	Casing Joints
9 5/8	36.00	J-55	1,563.8	1,565.3	1.50	Float Shoe

Intermediate Csg, 6,028.8ftKB

OD (in)	Wt (lb/ft)	Grade	Top (ftKB)	Btm (ftKB)	Len (ft)	Item Des
7	29.00	L-80	21.0	21.0	0.00	Landing Joint
7	29.00	L-80	21.0	28.0	7.00	Casing Hanger
7	29.00	L-80	28.0	5,983.0	5,954.98	Casing Joints
7	29.00	L-80	5,983.0	5,984.5	1.50	Float Collar
7	29.00	L-80	5,984.5	6,027.3	42.80	Casing Joints
7	29.00	L-80	6,027.3	6,028.8	1.50	Float Shoe

Liner, 12,064.0ftKB

OD (in)	Wt (lb/ft)	Grade	Top (ftKB)	Btm (ftKB)	Len (ft)	Item Des
4 1/2	11.60	L-80	4,871.2	4,892.0	20.79	Liner top packoff
4 1/2	11.60	L-80	4,892.0	4,898.7	6.66	HMC Hanger
4 1/2	11.60	L-80	4,898.7	4,900.1	1.49	Combo collar
4 1/2	11.60	L-80	4,900.1	4,905.6	5.46	Pup Joint
4 1/2	11.60	L-80	4,905.6	11,915.7	7,010.10	Casing Joints
4 1/2	11.60	L-80	11,915.7	11,921.7	6.03	Pup Joint
4 1/2	11.60	L-80	11,921.7	11,925.5	3.74	Alpha sleeve
4 1/2	11.60	L-80	11,925.5	11,927.6	2.10	Pup Joint
4 1/2	11.60	L-80	11,927.6	11,970.4	42.87	Casing Joints
4 1/2	11.60	L-80	11,970.4	11,972.0	1.60	Landing Collar
4 1/2	11.60	L-80	11,972.0	11,973.0	0.99	Float Collar
4 1/2	11.60	L-80	11,973.0	12,061.5	88.45	Casing Joints
4 1/2	11.60	L-80	12,061.5	12,064.0	2.52	Float Shoe

Cement Stages

Des	Pump Start Date	Drill Out Date	Top (ftKB)	Btm (ftKB)	Top Meas Meth
Conductor Cement	12/28/2013		21.0	80.0	Returns to Surface
Surface Casing Cement	3/23/2014		21.0	1,565.3	Returns to Surface
Intermediate Casing Cement	3/26/2014		21.0	6,028.8	Returns to Surface
Liner Cement	3/31/2014		4,871.2	12,064.0	Returns to Surface

Perforations

Type of Hole	Date	Top (ftKB)	Btm (ftKB)	Zone
Perforated Liner	8/5/2014	6,052.0	6,054.0	Niobrara, Original Hole
Perforated Liner	8/5/2014	6,101.0	6,103.0	Niobrara, Original Hole
Perforated Liner	8/5/2014	6,150.0	6,152.0	Niobrara, Original Hole
Perforated Liner	8/5/2014	6,199.0	6,201.0	Niobrara, Original Hole
Perforated Liner	8/5/2014	6,252.0	6,254.0	Niobrara, Original Hole
Perforated Liner	8/5/2014	6,298.0	6,300.0	Niobrara, Original Hole
Perforated Liner	8/5/2014	6,347.0	6,349.0	Niobrara, Original Hole
Perforated Liner	8/5/2014	6,396.0	6,398.0	Niobrara, Original Hole
Perforated Liner	8/5/2014	6,445.0	6,447.0	Niobrara, Original Hole
Perforated Liner	8/5/2014	6,494.0	6,496.0	Niobrara, Original Hole
Perforated Liner	8/5/2014	6,546.0	6,548.0	Niobrara, Original Hole
Perforated Liner	8/5/2014	6,592.0	6,594.0	Niobrara, Original Hole
Perforated Liner	8/5/2014	6,641.0	6,643.0	Niobrara, Original Hole
Perforated Liner	8/5/2014	6,690.0	6,692.0	Niobrara, Original Hole
Perforated Liner	8/5/2014	6,739.0	6,741.0	Niobrara, Original Hole
Perforated Liner	8/5/2014	6,789.0	6,791.0	Niobrara, Original Hole
Perforated Liner	8/5/2014	6,838.0	6,840.0	Niobrara, Original Hole
Perforated Liner	8/5/2014	6,884.0	6,886.0	Niobrara, Original Hole
Perforated Liner	8/4/2014	6,940.0	6,942.0	Niobrara, Original Hole
Perforated Liner	8/4/2014	6,985.0	6,987.0	Niobrara, Original Hole
Perforated Liner	8/4/2014	7,034.0	7,036.0	Niobrara, Original Hole
Perforated Liner	8/4/2014	7,083.0	7,085.0	Niobrara, Original Hole
Perforated Liner	8/4/2014	7,132.0	7,134.0	Niobrara, Original Hole



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					Section Suffix
					Section Type
					Township 10 N
					Township N/S Dir
					Range 58
					Range E/W Dir W
					Meridian

Lateral/Horizontal - Original Hole, 12/2/2014 3:52:01 PM						Perforations				
MD (ft)KB	D (ft)KB	n c l	Vertical schematic (actual)	Logs	Type of Hole	Date	Top (ft)KB	Btm (ft)KB	Zone	
27.9	27.9	1.1			Perforated Liner	8/4/2014	7,181.0	7,183.0	Niobrara, Original Hole	
1,522.3	1,522.3	1.8			Perforated Liner	8/4/2014	7,230.0	7,232.0	Niobrara, Original Hole	
1,592.5	1,592.5	2.1			Perforated Liner	8/4/2014	7,288.0	7,290.0	Niobrara, Original Hole	
4,027.6	4,027.6	4.8			Perforated Liner	8/4/2014	7,332.0	7,334.0	Niobrara, Original Hole	
4,750.0	4,750.0	11.1			Perforated Liner	8/4/2014	7,378.0	7,380.0	Niobrara, Original Hole	
4,900.3	4,900.3	11.6			Perforated Liner	8/4/2014	7,427.0	7,429.0	Niobrara, Original Hole	
5,569.6	5,569.6	17.0			Perforated Liner	8/4/2014	7,470.0	7,472.0	Niobrara, Original Hole	
5,984.6	5,984.6	18.6			Perforated Liner	8/4/2014	7,525.0	7,527.0	Niobrara, Original Hole	
6,054.1	6,054.1	18.9			Perforated Liner	8/4/2014	7,574.0	7,576.0	Niobrara, Original Hole	
6,199.1	6,199.1	19.0			Perforated Liner	8/4/2014	7,623.0	7,625.0	Niobrara, Original Hole	
6,299.9	6,299.9	19.7			Perforated Liner	8/4/2014	7,672.0	7,674.0	Niobrara, Original Hole	
6,444.9	6,444.9	19.8			Perforated Liner	8/4/2014	7,726.0	7,728.0	Niobrara, Original Hole	
6,547.9	6,547.9	19.6			Perforated Liner	8/4/2014	7,771.0	7,773.0	Niobrara, Original Hole	
6,690.0	6,690.0	19.2			Perforated Liner	8/4/2014	7,820.0	7,822.0	Niobrara, Original Hole	
6,791.0	6,791.0	19.7			Perforated Liner	8/4/2014	7,869.0	7,871.0	Niobrara, Original Hole	
6,940.0	6,940.0	19.3			Perforated Liner	8/4/2014	7,918.0	7,920.0	Niobrara, Original Hole	
7,036.1	7,036.1	19.0			Perforated Liner	8/3/2014	7,967.0	7,969.0	Niobrara, Original Hole	
7,181.1	7,181.1	18.8			Perforated Liner	8/3/2014	8,016.0	8,018.0	Niobrara, Original Hole	
7,290.0	7,290.0	18.9			Perforated Liner	8/3/2014	8,064.0	8,066.0	Niobrara, Original Hole	
7,426.8	7,426.8	18.5			Perforated Liner	8/3/2014	8,120.0	8,122.0	Niobrara, Original Hole	
7,526.9	7,526.9	18.6			Perforated Liner	8/3/2014	8,163.0	8,165.0	Niobrara, Original Hole	
7,671.9	7,671.9	18.6			Perforated Liner	8/3/2014	8,212.0	8,214.0	Niobrara, Original Hole	
7,773.0	7,773.0	18.3			Perforated Liner	8/3/2014	8,262.0	8,264.0	Niobrara, Original Hole	
7,918.0	7,918.0	18.2			Perforated Liner	8/3/2014	8,311.0	8,313.0	Niobrara, Original Hole	
8,018.0	8,018.0	18.6			Perforated Liner	8/3/2014	8,355.0	8,357.0	Niobrara, Original Hole	
8,163.1	8,163.1	18.7			Perforated Liner	8/3/2014	8,400.0	8,402.0	Niobrara, Original Hole	
8,264.1	8,264.1	18.4			Perforated Liner	8/3/2014	8,464.0	8,466.0	Niobrara, Original Hole	
8,399.9	8,399.9	18.2			Perforated Liner	8/3/2014	8,507.0	8,509.0	Niobrara, Original Hole	
8,508.9	8,508.9	18.8			Perforated Liner	8/3/2014	8,556.0	8,558.0	Niobrara, Original Hole	
8,653.9	8,653.9	18.5			Perforated Liner	8/3/2014	8,605.0	8,607.0	Niobrara, Original Hole	
8,754.9	8,754.9	18.2			Perforated Liner	8/3/2014	8,654.0	8,656.0	Niobrara, Original Hole	
8,899.9	8,899.9	18.8			Perforated Liner	8/3/2014	8,703.0	8,705.0	Niobrara, Original Hole	
9,000.0	9,000.0	18.4			Perforated Liner	8/3/2014	8,753.0	8,755.0	Niobrara, Original Hole	
9,149.9	9,149.9	18.3			Perforated Liner	8/3/2014	8,796.0	8,798.0	Niobrara, Original Hole	
9,246.1	9,246.1	18.1			Perforated Liner	8/3/2014	8,852.0	8,854.0	Niobrara, Original Hole	
9,391.1	9,391.1	18.6			Perforated Liner	8/3/2014	8,900.0	8,902.0	Niobrara, Original Hole	
9,496.1	9,496.1	18.7			Perforated Liner	8/3/2014	8,949.0	8,951.0	Niobrara, Original Hole	
9,636.2	9,636.2	18.3			Perforated Liner	8/3/2014	8,998.0	9,000.0	Niobrara, Original Hole	
9,736.9	9,736.9	18.4			Perforated Liner	8/3/2014	9,047.0	9,049.0	Niobrara, Original Hole	
9,884.8	9,884.8	18.8			Perforated Liner	8/3/2014	9,096.0	9,098.0	Niobrara, Original Hole	
9,982.0	9,982.0	18.5	Perforated Liner	8/2/2014	9,150.0	9,152.0	Niobrara, Original Hole			
10,127.0	10,127.0	18.2	Perforated Liner	8/2/2014	9,194.0	9,196.0	Niobrara, Original Hole			
10,222.1	10,222.1	18.8	Perforated Liner	8/2/2014	9,244.0	9,246.0	Niobrara, Original Hole			
10,373.0	10,373.0	18.4	Perforated Liner	8/2/2014	9,293.0	9,295.0	Niobrara, Original Hole			
10,473.1	10,473.1	18.3	Perforated Liner	8/2/2014	9,342.0	9,344.0	Niobrara, Original Hole			
10,618.1	10,618.1	18.2	Perforated Liner	8/2/2014	9,391.0	9,393.0	Niobrara, Original Hole			
10,768.0	10,768.0	18.6	Perforated Liner	8/2/2014	9,440.0	9,442.0	Niobrara, Original Hole			
10,919.9	10,919.9	18.0	Perforated Liner	8/2/2014	9,494.0	9,496.0	Niobrara, Original Hole			
11,013.1	11,013.1	18.4	Perforated Liner	8/2/2014	9,538.0	9,540.0	Niobrara, Original Hole			
11,158.1	11,158.1	18.1	Perforated Liner	8/2/2014	9,587.0	9,589.0	Niobrara, Original Hole			
11,258.9	11,258.9	18.1	Perforated Liner	8/2/2014	9,636.0	9,638.0	Niobrara, Original Hole			
11,403.9	11,403.9	18.3	Perforated Liner	8/2/2014	9,680.0	9,682.0	Niobrara, Original Hole			
11,503.9	11,503.9	18.2	Perforated Liner	8/2/2014	9,735.0	9,737.0	Niobrara, Original Hole			
11,629.9	11,629.9	18.1	Perforated Liner	8/2/2014	9,784.0	9,786.0	Niobrara, Original Hole			
11,688.0	11,688.0	18.6	Perforated Liner	8/2/2014	9,830.0	9,832.0	Niobrara, Original Hole			
11,737.9	11,737.9	18.3	Perforated Liner	8/2/2014	9,885.0	9,887.0	Niobrara, Original Hole			
11,927.5	11,927.5	18.6	Perforated Liner	8/2/2014	9,931.0	9,933.0	Niobrara, Original Hole			
12,064.0	12,064.0	18.1	Perforated Liner	8/2/2014	9,980.0	9,982.0	Niobrara, Original Hole			
			Perforated Liner	8/2/2014	10,029.0	10,031.0	Niobrara, Original Hole			
			Perforated Liner	8/2/2014	10,078.0	10,080.0	Niobrara, Original Hole			
			Perforated Liner	8/2/2014	10,127.0	10,129.0	Niobrara, Original Hole			
			Perforated Liner	8/1/2014	10,176.0	10,178.0	Niobrara, Original Hole			
			Perforated Liner	8/1/2014	10,220.0	10,222.0	Niobrara, Original Hole			
			Perforated Liner	8/1/2014	10,277.0	10,279.0	Niobrara, Original Hole			
			Perforated Liner	8/1/2014	10,324.0	10,326.0	Niobrara, Original Hole			
			Perforated Liner	8/1/2014	10,373.0	10,375.0	Niobrara, Original Hole			
			Perforated Liner	8/1/2014	10,418.0	10,420.0	Niobrara, Original Hole			
			Perforated Liner	8/1/2014	10,471.0	10,473.0	Niobrara, Original Hole			
			Perforated Liner	8/1/2014	10,516.0	10,518.0	Niobrara, Original Hole			
			Perforated Liner	8/1/2014	10,560.0	10,562.0	Niobrara, Original Hole			
			Perforated Liner	8/1/2014	10,618.0	10,620.0	Niobrara, Original Hole			

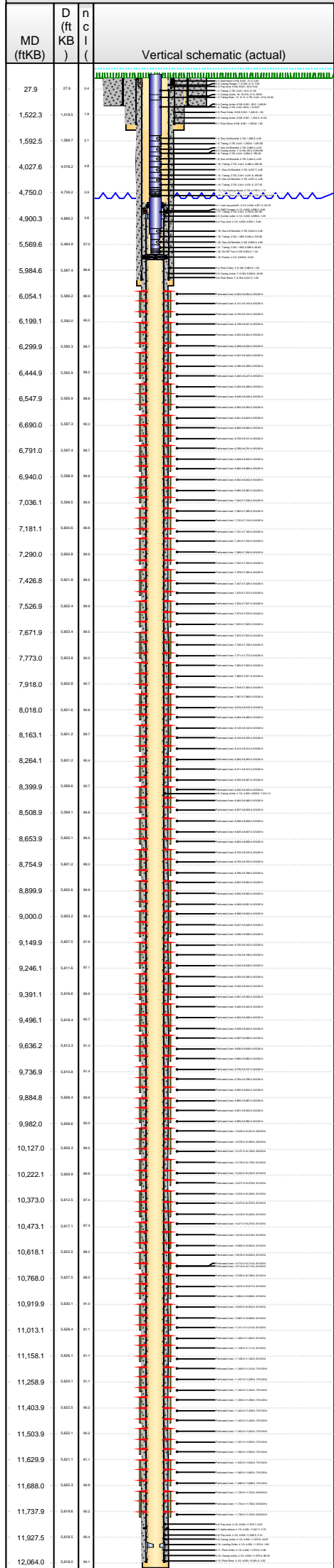


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					Section Suffix
					Section Type
					Township 10 N
					Township N/S Dir
					Range 58 W
					Range E/W Dir
					Meridian

Lateral/Horizontal - Original Hole, 12/2/2014 3:52:03 PM



Perforations

Type of Hole	Date	Top (ftKB)	Btm (ftKB)	Zone
Perforated Liner	8/1/2014	10,712.0	10,714.0	Niobrara, Original Hole
Perforated Liner	8/1/2014	10,712.0	10,714.0	Niobrara, Original Hole
Perforated Liner	8/1/2014	10,766.0	10,768.0	Niobrara, Original Hole
Perforated Liner	8/1/2014	10,815.0	10,817.0	Niobrara, Original Hole
Perforated Liner	8/1/2014	10,864.0	10,866.0	Niobrara, Original Hole
Perforated Liner	8/1/2014	10,920.0	10,922.0	Niobrara, Original Hole
Perforated Liner	8/1/2014	10,967.0	10,969.0	Niobrara, Original Hole
Perforated Liner	8/1/2014	11,011.0	11,013.0	Niobrara, Original Hole
Perforated Liner	8/1/2014	11,060.0	11,062.0	Niobrara, Original Hole
Perforated Liner	8/1/2014	11,109.0	11,111.0	Niobrara, Original Hole
Perforated Liner	8/1/2014	11,158.0	11,160.0	Niobrara, Original Hole
Perforated Liner	7/31/2014	11,208.0	11,210.0	Niobrara, Original Hole
Perforated Liner	7/31/2014	11,257.0	11,259.0	Niobrara, Original Hole
Perforated Liner	7/31/2014	11,300.0	11,302.0	Niobrara, Original Hole
Perforated Liner	7/31/2014	11,356.0	11,358.0	Niobrara, Original Hole
Perforated Liner	7/31/2014	11,404.0	11,406.0	Niobrara, Original Hole
Perforated Liner	7/31/2014	11,453.0	11,455.0	Niobrara, Original Hole
Perforated Liner	7/31/2014	11,502.0	11,504.0	Niobrara, Original Hole
Perforated Liner	7/31/2014	11,551.0	11,553.0	Niobrara, Original Hole
Perforated Liner	7/31/2014	11,582.0	11,584.0	Niobrara, Original Hole
Perforated Liner	7/31/2014	11,630.0	11,632.0	Niobrara, Original Hole
Perforated Liner	7/31/2014	11,660.0	11,662.0	Niobrara, Original Hole
Perforated Liner	7/31/2014	11,686.0	11,688.0	Niobrara, Original Hole
Perforated Liner	6/16/2014	11,720.0	11,722.0	Niobrara, Original Hole
Perforated Liner	6/16/2014	11,734.0	11,736.0	Niobrara, Original Hole
Perforated Liner	6/16/2014	11,738.0	11,740.0	Niobrara, Original Hole

Sand Frac on 7/30/2014 06:00

Comment Treatment End Date:8/5/2014; Number of staged intervals: 40; Total 15% HCl used: 399 bbl; Min frac gradient: 0.824 psi/ft; Number of perfs: 1440; 79346 bbl XL Gel, 112165 bbl Linear Gel, 35185 bbl Slickwater	Min Top De... 6,052.0	Max Btm D... 11,740.0	Frac Length (ft) 6,045.00
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Stim/Treat Fluids

XL Gel; Linear Gel; 15% HCl, <fluidtyp>							
Proppant Fm (lb)	Total Clean Vol...	Avg Treat Rate...	Max Treat Rate...	Avg Treat Press...	P Max (psi)	Frac Gradient (p...	
5,660,799.0	126900.00	45.00	52.00	4,310.0	9,593.0	0.86	

Stim/Treat Stages

Stg #	Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Vol Clean Pump (bbl)	Vol Slurry (bbl)
1	7/30/2014	11,720.0	11,740.0	1658.00	1660.00
Additive		Type	Amount	Units	Sand Size
Proppant		100 Mesh	3,122.0	lb	100 mesh white
Additive		Type	Amount	Units	Sand Size
Proppant		Jordan Unimin 16/30	102,245.0	lb	16/30
2	7/30/2014	11,630.0	11,688.0	3019.00	3131.00
Additive		Type	Amount	Units	Sand Size
Proppant		100 Mesh	3,169.0	lb	100 mesh white
Additive		Type	Amount	Units	Sand Size
Proppant		Jordan Unimin 16/30	100,477.0	lb	16/30
3	7/30/2014	11,502.0	11,584.0	3030.00	3143.00
Additive		Type	Amount	Units	Sand Size
Proppant		100 Mesh	3,096.0	lb	100 mesh white
Additive		Type	Amount	Units	Sand Size
Proppant		Jordan Unimin 16/30	102,293.0	lb	16/30
4	7/31/2014	11,356.0	11,455.0	3328.00	3497.00
Additive		Type	Amount	Units	Sand Size
Proppant		100 Mesh	3,092.0	lb	100 mesh white
Additive		Type	Amount	Units	Sand Size
Proppant		Jordan Unimin 16/30	153,171.0	lb	16/30
5	7/31/2014	11,208.0	11,302.0	3325.00	3490.00
Additive		Type	Amount	Units	Sand Size
Proppant		100 Mesh	3,004.0	lb	100 mesh white
Additive		Type	Amount	Units	Sand Size
Proppant		Jordan Unimin 16/30	150,249.0	lb	16/30
6	7/31/2014	11,060.0	11,160.0	3321.00	3490.00
Additive		Type	Amount	Units	Sand Size
Proppant		100 Mesh	3,049.0	lb	100 mesh white
Additive		Type	Amount	Units	Sand Size
Proppant		Jordan Unimin 16/30	153,689.0	lb	16/30
7	8/1/2014	10,920.0	11,013.0	3235.00	3390.00
Additive		Type	Amount	Units	Sand Size
Proppant		100 Mesh	3,310.0	lb	100 mesh white
Additive		Type	Amount	Units	Sand Size
Proppant		Jordan Unimin 16/30	139,960.0	lb	16/30
8	8/1/2014	10,766.0	10,866.0	3305.00	3472.00
Additive		Type	Amount	Units	Sand Size
Proppant		100 Mesh	3,135.0	lb	100 mesh white
Additive		Type	Amount	Units	Sand Size
Proppant		Jordan Unimin 16/30	151,165.0	lb	16/30



Lease Review

Well Name: RAZOR 26K-3507A

API Number 051233787400	WPC ID 1C0076989	Well Permit Number	Field Name DJ Horizontal Niobrara	County Weld	State CO
Well Configuration Type Lateral/Horizontal	Orig KB Elv (ft) 4,759.50	Ground Elevation (ft) 4,738.50	Casing Flange Elevation (ft)	Tubing Head Elevation (ft)	Total Depth (ftKB) 12,073.0
Original Spud Date 3/23/2014	Completion Date 8/6/2014	Asset Group Redtail	Responsible Engineer Andrew Fish	N/S Dist (ft) 2,449.0	N/S Ref FSL
				E/W Dist (ft) 2,015.0	E/W Ref FWL
Lot	Quarter 1 NE	Quarter 2 SW	Quarter 3	Quarter 4	Section 26
			Section Suffix	Section Type	Township 10 N
					Township N/S Dir Range 58 W
					Meridian

Lateral/Horizontal - Original Hole, 12/2/2014 3:52:04 PM **Stim/Treat Stages**

MD (ftKB)	D (ftKB)	n c l	Vertical schematic (actual)	Logs	Stg #	Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Vol Clean Pump (bbl)	Vol Slurry (bbl)
27.9	27.9	1.1			9	8/1/2014	10,618.0	10,714.0	2284.00	2312.00
1,522.3	1,522.3	1.8			Additive Proppant	Type 100 Mesh	Amount 3,133.0	Units lb	Sand Size 100 mesh white	
1,592.5	1,592.5	2.1			Additive Proppant	Type Jordan Unimin 16/30	Amount 22,723.0	Units lb	Sand Size 16/30	
4,027.6	4,027.6	4.8			Stg # 10	Start Date 8/1/2014	Top Depth (ftKB) 10,471.0	Bottom Depth (ftKB) 10,562.0	Vol Clean Pump (bbl) 3302.00	Vol Slurry (bbl) 3468.00
4,750.0	4,750.0	11.5			Additive Proppant	Type 100 Mesh	Amount 3,092.0	Units lb	Sand Size 100 mesh white	
4,900.3	4,900.3	14.0			Additive Proppant	Type Jordan Unimin 16/30	Amount 150,952.0	Units lb	Sand Size 16/30	
5,569.6	5,569.6	21.0			Stg # 11	Start Date 8/1/2014	Top Depth (ftKB) 10,324.0	Bottom Depth (ftKB) 10,420.0	Vol Clean Pump (bbl) 3255.00	Vol Slurry (bbl) 3421.00
5,984.6	5,984.6	24.0			Additive Proppant	Type 100 Mesh	Amount 3,080.0	Units lb	Sand Size 100 mesh white	
6,054.1	6,054.1	24.5			Additive Proppant	Type Jordan Unimin 16/30	Amount 151,052.0	Units lb	Sand Size 16/30	
6,199.1	6,199.1	26.0			Stg # 12	Start Date 8/1/2014	Top Depth (ftKB) 10,176.0	Bottom Depth (ftKB) 10,279.0	Vol Clean Pump (bbl) 2870.00	Vol Slurry (bbl) 2965.00
6,299.9	6,299.9	26.7			Additive Proppant	Type 100 Mesh	Amount 3,109.0	Units lb	Sand Size 100 mesh white	
6,444.9	6,444.9	28.3			Additive Proppant	Type Jordan Unimin 16/30	Amount 84,625.0	Units lb	Sand Size 16/30	
6,547.9	6,547.9	28.6			Stg # 13	Start Date 8/2/2014	Top Depth (ftKB) 10,029.0	Bottom Depth (ftKB) 10,129.0	Vol Clean Pump (bbl) 3292.00	Vol Slurry (bbl) 3457.00
6,690.0	6,690.0	30.0			Additive Proppant	Type 100 Mesh	Amount 3,050.0	Units lb	Sand Size 100 mesh white	
6,791.0	6,791.0	30.7			Additive Proppant	Type Jordan Unimin 16/30	Amount 149,697.0	Units lb	Sand Size 16/30	
6,940.0	6,940.0	32.0			Stg # 14	Start Date 8/2/2014	Top Depth (ftKB) 9,885.0	Bottom Depth (ftKB) 9,982.0	Vol Clean Pump (bbl) 3298.00	Vol Slurry (bbl) 3465.00
7,036.1	7,036.1	32.6			Additive Proppant	Type 100 Mesh	Amount 3,039.0	Units lb	Sand Size 100 mesh white	
7,181.1	7,181.1	34.0			Additive Proppant	Type Jordan Unimin 16/30	Amount 151,789.0	Units lb	Sand Size 16/30	
7,290.0	7,290.0	34.9			Stg # 15	Start Date 8/2/2014	Top Depth (ftKB) 9,735.0	Bottom Depth (ftKB) 9,832.0	Vol Clean Pump (bbl) 3285.00	Vol Slurry (bbl) 3450.00
7,426.8	7,426.8	36.0			Additive Proppant	Type 100 Mesh	Amount 3,097.0	Units lb	Sand Size 100 mesh white	
7,526.9	7,526.9	36.8			Additive Proppant	Type Jordan Unimin 16/30	Amount 149,948.0	Units lb	Sand Size 16/30	
7,671.9	7,671.9	38.0			Stg # 16	Start Date 8/2/2014	Top Depth (ftKB) 9,587.0	Bottom Depth (ftKB) 9,682.0	Vol Clean Pump (bbl) 3282.00	Vol Slurry (bbl) 3448.00
7,773.0	7,773.0	38.9			Additive Proppant	Type 100 Mesh	Amount 3,087.0	Units lb	Sand Size 100 mesh white	
7,918.0	7,918.0	40.0			Additive Proppant	Type Jordan Unimin 16/30	Amount 150,565.0	Units lb	Sand Size 16/30	
8,018.0	8,018.0	40.6	Stg # 17	Start Date 8/2/2014	Top Depth (ftKB) 9,440.0	Bottom Depth (ftKB) 9,540.0	Vol Clean Pump (bbl) 3248.00	Vol Slurry (bbl) 3408.00		
8,163.1	8,163.1	41.7	Additive Proppant	Type 100 Mesh	Amount 3,114.0	Units lb	Sand Size 100 mesh white			
8,264.1	8,264.1	42.4	Additive Proppant	Type Jordan Unimin 16/30	Amount 142,222.0	Units lb	Sand Size 16/30			
8,399.9	8,399.9	43.5	Stg # 18	Start Date 8/2/2014	Top Depth (ftKB) 9,293.0	Bottom Depth (ftKB) 9,393.0	Vol Clean Pump (bbl) 3286.00	Vol Slurry (bbl) 3452.00		
8,508.9	8,508.9	44.3	Additive Proppant	Type 100 Mesh	Amount 3,094.0	Units lb	Sand Size 100 mesh white			
8,653.9	8,653.9	45.5	Additive Proppant	Type Jordan Unimin 16/30	Amount 150,501.0	Units lb	Sand Size 16/30			
8,754.9	8,754.9	46.2	Stg # 19	Start Date 8/2/2014	Top Depth (ftKB) 9,150.0	Bottom Depth (ftKB) 9,246.0	Vol Clean Pump (bbl) 3283.00	Vol Slurry (bbl) 3450.00		
8,899.9	8,899.9	47.5	Additive Proppant	Type 100 Mesh	Amount 3,085.0	Units lb	Sand Size 100 mesh white			
9,000.0	9,000.0	48.0	Additive Proppant	Type Jordan Unimin 16/30	Amount 150,840.0	Units lb	Sand Size 16/30			
9,149.9	9,149.9	49.3	Stg # 20	Start Date 8/2/2014	Top Depth (ftKB) 8,998.0	Bottom Depth (ftKB) 9,098.0	Vol Clean Pump (bbl) 3266.00	Vol Slurry (bbl) 3430.00		
9,246.1	9,246.1	50.1	Additive Proppant	Type 100 Mesh	Amount 3,062.0	Units lb	Sand Size 100 mesh white			
9,391.1	9,391.1	51.4	Additive Proppant	Type Jordan Unimin 16/30	Amount 148,759.0	Units lb	Sand Size 16/30			
9,496.1	9,496.1	52.7	Stg # 21	Start Date 8/3/2014	Top Depth (ftKB) 8,852.0	Bottom Depth (ftKB) 8,951.0	Vol Clean Pump (bbl) 3283.00	Vol Slurry (bbl) 3450.00		
9,636.2	9,636.2	54.0	Additive Proppant	Type 100 Mesh	Amount 3,021.0	Units lb	Sand Size 100 mesh white			
9,736.9	9,736.9	54.9	Additive Proppant	Type Jordan Unimin 16/30	Amount 151,866.0	Units lb	Sand Size 16/30			
9,884.8	9,884.8	56.3	Stg # 22	Start Date 8/3/2014	Top Depth (ftKB) 8,703.0	Bottom Depth (ftKB) 8,798.0	Vol Clean Pump (bbl) 3260.00	Vol Slurry (bbl) 3424.00		
9,982.0	9,982.0	57.0	Additive Proppant	Type 100 Mesh	Amount 3,067.0	Units lb	Sand Size 100 mesh white			
10,127.0	10,127.0	58.3	Additive Proppant	Type Jordan Unimin 16/30	Amount 148,599.0	Units lb	Sand Size 16/30			
10,222.1	10,222.1	59.0	Stg # 23	Start Date 8/3/2014	Top Depth (ftKB) 8,556.0	Bottom Depth (ftKB) 8,656.0	Vol Clean Pump (bbl) 3272.00	Vol Slurry (bbl) 3438.00		
10,373.0	10,373.0	60.4	Additive Proppant	Type 100 Mesh	Amount 3,004.0	Units lb	Sand Size 100 mesh white			
10,473.1	10,473.1	61.3	Additive Proppant	Type Jordan Unimin 16/30	Amount 150,546.0	Units lb	Sand Size 16/30			
10,618.1	10,618.1	62.5	Stg # 24	Start Date 8/3/2014	Top Depth (ftKB) 8,400.0	Bottom Depth (ftKB) 8,509.0	Vol Clean Pump (bbl) 3280.00	Vol Slurry (bbl) 3445.00		
10,768.0	10,768.0	63.8	Additive Proppant	Type 100 Mesh	Amount 3,120.0	Units lb	Sand Size 100 mesh white			
10,919.9	10,919.9	65.0								
11,013.1	11,013.1	65.7								
11,158.1	11,158.1	67.0								
11,258.9	11,258.9	67.7								
11,403.9	11,403.9	69.0								
11,503.9	11,503.9	70.0								
11,629.9	11,629.9	71.3								
11,688.0	11,688.0	72.0								
11,737.9	11,737.9	72.7								
11,927.5	11,927.5	74.0								
12,064.0	12,064.0	75.0								



Lease Review

Well Name: RAZOR 26K-3507A

API Number 051233787400	WPC ID 1C0076989	Well Permit Number	Field Name DJ Horizontal Niobrara	County Weld	State CO
Well Configuration Type Lateral/Horizontal	Orig KB Elv (ft) 4,759.50	Ground Elevation (ft) 4,738.50	Casing Flange Elevation (ft)	Tubing Head Elevation (ft)	Total Depth (ftKB) 12,073.0
Original Spud Date 3/23/2014	Completion Date 8/6/2014	Asset Group Redtail	Responsible Engineer Andrew Fish	N/S Dist (ft) 2,449.0	N/S Ref FSL
				E/W Dist (ft) 2,015.0	E/W Ref FWL
Lot	Quarter 1 NE	Quarter 2 SW	Quarter 3	Quarter 4	Section 26
					Section Suffix
					Section Type
					Township 10 N
					Township N/S Dir
					Range 58 W
					Range E/W Dir
					Meridian

Lateral/Horizontal - Original Hole, 12/2/2014 3:52:05 PM					
MD (ftKB)	D (ft KB)	n c l	Vertical schematic (actual)	Logs	Stg #
					25
					26
					27
					28
					29
					30
					31
					32
					33
					34
					35
					36
					37
					38
					39
					40



Lease Review

Well Name: RAZOR 26K-3507A

API Number 051233787400		WPC ID 1CO076989		Well Permit Number		Field Name DJ Horizontal Niobrara		County Weld		State CO	
Well Configuration Type Lateral/Horizontal		Orig KB Elv (ft) 4,759.50		Ground Elevation (ft) 4,738.50		Casing Flange Elevation (ft)		Tubing Head Elevation (ft)		Total Depth (ftKB) 12,073.0	
Original Spud Date 3/23/2014		Completion Date 8/6/2014		Asset Group Redtail		Responsible Engineer Andrew Fish		N/S Dist (ft) 2,449.0	N/S Ref FSL	E/W Dist (ft) 2,015.0	E/W Ref FWL
Lot	Quarter 1 NE	Quarter 2 SW	Quarter 3	Quarter 4	Section 26	Section Suffix	Section Type	Township 10 N	Township N/S Dir	Range 58 W	Meridian

Lateral/Horizontal - Original Hole, 12/2/2014 3:52:06 PM						Additive Proppant	Type Jordan Unimin 16/30	Amount 55,681.0	Units lb	Sand Size 16/30
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MD (ftKB)	D (ftKB)	nc l	Vertical schematic (actual)	Logs	Tubing - Production set at 5,645.6ftKB on 9/8/2014 10:00	Set Depth (ftKB) 5,645.6	Comment	Run Date 9/8/2014	Pull Date
					Item Des	OD (in)	ID (in)	Len (ft)	Top (ftKB)

27.9	27.9	1.0			KB			16.00	0.5	16.5	
1,522.3	1,522.3	1.0			Tubing	2 7/8	2.441	31.05	16.5	47.6	47.6
1,592.5	1,592.5	2.1			Tubing Subs 10', 6', 6'	2 7/8	2.441	22.00	47.6	69.6	69.6
4,027.6	4,027.6	4.0			Tubing	2 7/8	2.441	1,518.97	69.6	1,588.5	1,588.5
4,750.0	4,750.0	2.0			Gas Lift Mandrel	2 7/8	2.441	4.05	1,588.5	1,592.6	1,592.6
4,900.3	4,900.3	1.0			Tubing	2 7/8	2.441	1,087.65	1,592.6	2,680.2	2,680.2
4,900.3	4,900.3	1.0			Gas Lift Mandrel	2 7/8	2.441	4.05	2,680.2	2,684.3	2,684.3
5,569.6	5,569.6	2.0			Tubing	2 7/8	2.441	780.09	2,684.3	3,464.4	3,464.4
5,569.6	5,569.6	2.0			Gas Lift Mandrel	2 7/8	2.441	4.05	3,464.4	3,468.4	3,468.4
6,054.1	6,054.1	3.0			Tubing	2 7/8	2.441	559.30	3,468.4	4,027.7	4,027.7
6,199.1	6,199.1	3.0			Gas Lift Mandrel	2 7/8	2.441	4.05	4,027.7	4,031.8	4,031.8
6,299.9	6,299.9	3.0			Tubing	2 7/8	2.441	495.65	4,031.8	4,527.4	4,527.4
6,444.9	6,444.9	3.0			Gas Lift Mandrel	2 7/8	2.441	4.05	4,527.4	4,531.5	4,531.5
6,444.9	6,444.9	3.0			Tubing	2 7/8	2.441	217.53	4,531.5	4,749.0	4,749.0
6,547.9	6,547.9	3.0			Cup Seating Nipple	2 7/8	2.441	1.10	4,749.0	4,750.1	4,750.1
6,690.0	6,690.0	3.0			Cross Over 2-7/8" x 2-3/8"	2 7/8	2.441	0.50	4,750.1	4,750.6	4,750.6
6,791.0	6,791.0	3.0			Tubing	2 7/8	2.441	291.80	4,750.6	5,042.4	5,042.4
6,940.0	6,940.0	3.0			Gas Lift Mandrel	2 7/8	2.441	4.05	5,042.4	5,046.4	5,046.4
7,036.1	7,036.1	3.0			Tubing	2 3/8	1.995	518.92	5,046.4	5,565.4	5,565.4
7,036.1	7,036.1	3.0			Gas Lift Mandrel	2 3/8	1.995	4.05	5,565.4	5,569.4	5,569.4
7,181.1	7,181.1	3.0	Tubing	2 3/8	1.995	64.83	5,569.4	5,634.2	5,634.2		
7,290.0	7,290.0	3.0	On-Off Tool	2 3/8	1.995	1.34	5,634.2	5,635.6	5,635.6		
7,426.8	7,426.8	3.0	Packer	4 1/2	4.500	10.00	5,635.6	5,645.6	5,645.6		

Rod Strings					
<des> on <dtmrun>					
Rod Description			Run Date		Pull Date

Item Des	OD (in)	Len (ft)	Top (ftKB)	Btm (ftKB)
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Other Strings					
Set Depth (ftKB)	Comment	Run Date	Pull Date		

Item Des	OD (in)	Len (ft)	Top (ftKB)	Btm (ftKB)
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Other In Hole					
Des	OD (in)	Run Date	Pull Date	Top (ftKB)	Btm (ftKB)

8,508.9	8,508.9	3.0	CFP	4	8/5/2014	9/5/2014	6,175.0	6,177.0
8,653.9	8,653.9	3.0	CFP	4	8/5/2014	9/5/2014	6,314.0	6,316.0
8,754.9	8,754.9	3.0	CFP	4	8/5/2014	9/5/2014	6,469.0	6,471.0
8,899.9	8,899.9	3.0	CFP	4	8/4/2014	9/5/2014	6,616.0	6,618.0
9,000.0	9,000.0	3.0	CFP	4	8/4/2014	9/5/2014	6,767.0	6,769.0
9,149.9	9,149.9	3.0	CFP	4	8/4/2014	9/5/2014	6,911.0	6,913.0
9,246.1	9,246.1	3.0	CFP	4	8/4/2014	9/5/2014	7,059.0	7,061.0
9,391.1	9,391.1	3.0	CFP	4	8/4/2014	9/5/2014	7,206.0	7,208.0
9,496.1	9,496.1	3.0	CFP	4	8/4/2014	9/5/2014	7,353.0	7,355.0
9,636.2	9,636.2	3.0	CFP	4	8/4/2014	9/5/2014	7,494.0	7,496.0
9,736.9	9,736.9	3.0	CFP	4	8/4/2014	9/5/2014	7,648.0	7,650.0
9,884.8	9,884.8	3.0	CFP	4	8/3/2014	9/5/2014	7,793.0	7,795.0
9,982.0	9,982.0	3.0	CFP	4	8/3/2014	9/5/2014	7,944.0	7,946.0
10,127.0	10,127.0	3.0	CFP	4	8/3/2014	9/5/2014	8,088.0	8,090.0
10,222.1	10,222.1	3.0	CFP	4	8/3/2014	9/5/2014	8,237.0	8,239.0
10,373.0	10,373.0	3.0	CFP	4	8/3/2014	9/6/2014	8,376.0	8,378.0
10,473.1	10,473.1	3.0	CFP	4	8/3/2014	9/6/2014	8,532.0	8,534.0
10,618.1	10,618.1	3.0	CFP	4	8/3/2014	9/6/2014	8,679.0	8,681.0
10,768.0	10,768.0	3.0	CFP	4	8/3/2014	9/6/2014	8,826.0	8,828.0
10,919.9	10,919.9	3.0	CFP	4	8/2/2014	9/6/2014	8,978.0	8,980.0
11,013.1	11,013.1	3.0	CFP	4	8/2/2014	9/6/2014	9,121.0	9,123.0
11,158.1	11,158.1	3.0	CFP	4	8/2/2014	9/6/2014	9,260.0	9,262.0
11,258.9	11,258.9	3.0	CFP	4	8/2/2014	9/6/2014	9,415.0	9,417.0
11,403.9	11,403.9	3.0	CFP	4	8/2/2014	9/6/2014	9,563.0	9,565.0
11,503.9	11,503.9	3.0	CFP	4	8/2/2014	9/6/2014	9,700.0	9,702.0
11,629.9	11,629.9	3.0	CFP	4	8/2/2014	9/6/2014	9,857.0	9,859.0
11,888.0	11,888.0	3.0	CFP	4	8/2/2014	9/6/2014	10,000.0	10,002.0
11,973.9	11,973.9	3.0	CFP	4	8/1/2014	9/6/2014	10,152.0	10,154.0
11,973.9	11,973.9	3.0	CFP	4	8/1/2014	9/6/2014	10,299.0	10,301.0
11,973.9	11,973.9	3.0	CFP	4	8/1/2014	9/6/2014	10,440.0	10,442.0
11,973.9	11,973.9	3.0	CFP	4	8/1/2014	9/6/2014	10,594.0	10,596.0
11,973.9	11,973.9	3.0	CFP	4	8/1/2014	9/6/2014	10,734.0	10,736.0
11,973.9	11,973.9	3.0	CFP	4	8/1/2014	9/6/2014	10,888.0	10,890.0
12,064.0	12,064.0	3.0	CFP	4	7/31/2014	9/6/2014	11,036.0	11,038.0



Lease Review

Well Name: RAZOR 26K-3507A

API Number 051233787400		WPC ID 1CO076989		Well Permit Number		Field Name DJ Horizontal Niobrara		County Weld		State CO	
Well Configuration Type Lateral/Horizontal		Orig KB Elv (ft) 4,759.50		Ground Elevation (ft) 4,738.50		Casing Flange Elevation (ft)		Tubing Head Elevation (ft)		Total Depth (ftKB) 12,073.0	
Original Spud Date 3/23/2014		Completion Date 8/6/2014		Asset Group Redtail		Responsible Engineer Andrew Fish		N/S Dist (ft) 2,449.0	N/S Ref FSL	E/W Dist (ft) 2,015.0	E/W Ref FWL
Lot	Quarter 1 NE	Quarter 2 SW	Quarter 3	Quarter 4	Section 26	Section Suffix	Section Type	Township 10 N	Range 58 W	Meridian	

Lateral/Horizontal - Original Hole, 12/2/2014 3:52:08 PM						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)
27.9	27.9	1.1					CFP	4	7/31/2014	9/6/2014	11,183.0	11,185.0
1,522.3	1,522.3	1.8					CFP	4	7/31/2014	9/6/2014	11,330.0	11,332.0
1,592.5	1,592.5	2.1					CFP	4	7/30/2014	9/6/2014	11,472.0	11,474.0
4,027.6	4,027.6	4.8					CFP	4	7/30/2014	9/6/2014	11,600.0	11,602.0
4,750.0	4,750.0	11.0					CFP	4	7/30/2014	9/6/2014	11,705.0	11,707.0

Bottom Hole Cores				
Date	Core #	Top (ftKB)	Btm (ftKB)	Recov (ft)

