



Lease Review All CR

Well Name: RAZOR 27L-3404B

API Number 051233774400		WPC ID 1CO076886		Well Permit Number		Field Name DJ Horizontal Niobrara		County Weld		State CO	
Well Configuration Type Lateral/Horizontal			Orig KB Elv (ft) 4,772.30		Ground Elevation (ft) 4,755.00		Casing Flange Elevation (ft)		Tubing Head Elevation (ft)		Total Depth (ftKB) 12,490.0
Original Spud Date 8/11/2013		Completion Date 8/24/2013		Asset Group Redtail Asset Group		Responsible Engineer Gary Nordlander		N/S Dist (ft) 2,447.0	N/S Ref FSL	E/W Dist (ft) 726.0	E/W Ref FWL
Lot	Quarter 1 NW	Quarter 2 SW	Quarter 3	Quarter 4	Section 27	Section Suffix	Section Type	Township 10 N	Township N/S Dir	Range 58 W	Meridian 6TH

Lateral/Horizontal - Original Hole, 2/21/2014 11:43:42 AM

Wellbore Sections

Wellbore Name	Start Date	Size (in)	Act Top (ftKB)	Act Btm (ftKB)
Original Hole	8/5/2013	24	17.3	80.0
Original Hole	8/11/2013	13 1/2	80.0	1,569.0
Original Hole	8/13/2013	8 3/4	1,569.0	6,092.0
Original Hole	8/16/2013	6	6,092.0	12,490.0

Conductor Pipe, 80.0ftKB

OD (in)	Wt (lb/ft)	Grade	Top (ftKB)	Btm (ftKB)	Len (ft)	Item Des
16	75.00	J-55	17.3	80.0	62.70	Casing Joints

Surface Csg, 1,554.4ftKB

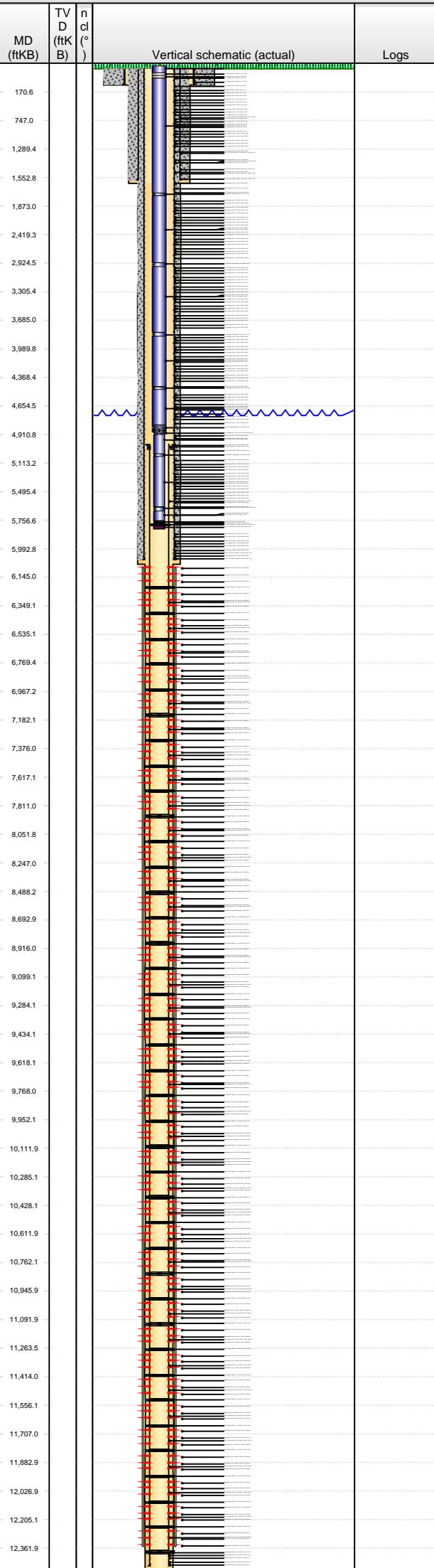
OD (in)	Wt (lb/ft)	Grade	Top (ftKB)	Btm (ftKB)	Len (ft)	Item Des
9 5/8	36.00	J-55	17.4	1,330.4	1,313.00	JT 9.625" 36# J-55 LTC
9 5/8	36.00	J-55	1,330.4	1,374.5	44.10	JT 9.625" 36# J-55 LTC
9 5/8	36.00	J-55	1,374.5	1,507.0	132.59	JT 9.625" 36# J-55 LTC
9 5/8	36.00	J-55	1,507.0	1,508.5	1.50	9.625" FLOAT COLLAR
9 5/8	36.00	J-55	1,508.5	1,552.9	44.36	JT 9.625" 36# J-55 LTC
9 5/8	36.00	J-55	1,552.9	1,554.4	1.50	9.625" DV FLOAT SHOE

Frac String, 5,009.0ftKB

OD (in)	Wt (lb/ft)	Grade	Top (ftKB)	Btm (ftKB)	Len (ft)	Item Des
4 1/2	15.10	P-110	8.1	39.7	31.66	Casing Joints
4 1/2	15.10	P-110	39.7	43.7	3.96	Pup Joint
4 1/2	15.10	P-110	43.7	4,991.6	4,947.92	Casing Joints
4 1/2	15.10	P-110	4,991.6	4,997.6	5.97	Pup Joint
0.0			4,997.6	5,009.0	11.43	Baker PBR seall assembly

Intermediate Csg, 6,082.0ftKB

OD (in)	Wt (lb/ft)	Grade	Top (ftKB)	Btm (ftKB)	Len (ft)	Item Des
7	29.00	L-80	17.3	17.3	0.00	Casing Joints
7	29.00	L-80	17.3	17.3	0.00	Casing Joints
7	29.00	L-80	17.3	17.3	0.00	LAND JOINT
7	29.00	L-80	17.3	54.5	37.15	Casing Joints
7	29.00	L-80	54.5	133.4	78.90	Casing Joints
7	29.00	L-80	133.4	170.5	37.10	Casing Joints
7	29.00	L-80	170.5	250.1	79.65	Casing Joints
7	29.00	L-80	250.1	287.0	36.90	Casing Joints
7	29.00	L-80	287.0	374.3	87.33	Casing Joints
7	29.00	L-80	374.3	415.4	41.10	Casing Joints
7	29.00	L-80	415.4	496.8	81.36	Casing Joints
7	29.00	L-80	496.8	536.1	39.28	Casing Joints
7	29.00	L-80	536.1	620.5	84.45	Casing Joints
7	29.00	L-80	620.5	660.6	40.12	Casing Joints
7	29.00	L-80	660.6	747.0	86.40	Casing Joints
7	29.00	L-80	747.0	792.1	45.08	Casing Joints
7	29.00	L-80	792.1	879.6	87.44	Casing Joints
7	29.00	L-80	879.6	921.5	41.97	Casing Joints
7	29.00	L-80	921.5	1,002.5	81.01	Casing Joints
7	29.00	L-80	1,002.5	1,041.9	39.38	Casing Joints
7	29.00	L-80	1,041.9	1,129.7	87.75	Casing Joints
7	29.00	L-80	1,129.7	1,166.6	36.97	Casing Joints
7	29.00	L-80	1,166.6	1,243.4	76.79	Casing Joints
7	29.00	L-80	1,243.4	1,289.2	45.80	Casing Joints
7	29.00	L-80	1,289.2	1,376.6	87.33	Casing Joints
7	29.00	L-80	1,376.6	1,414.6	38.02	Casing Joints
7	29.00	L-80	1,414.6	1,494.0	79.37	Casing Joints
7	29.00	L-80	1,494.0	1,538.8	44.80	Casing Joints
7	29.00	L-80	1,538.8	1,619.0	80.21	Casing Joints
7	29.00	L-80	1,619.0	1,662.8	43.85	Casing Joints
7	29.00	L-80	1,662.8	1,746.1	83.30	Casing Joints
7	29.00	L-80	1,746.1	1,785.7	39.54	Casing Joints
7	29.00	L-80	1,785.7	1,872.9	87.29	Casing Joints
7	29.00	L-80	1,872.9	1,913.4	40.45	Casing Joints
7	29.00	L-80	1,913.4	1,995.3	81.86	Casing Joints
7	29.00	L-80	1,995.3	2,038.9	43.67	Casing Joints
7	29.00	L-80	2,038.9	2,119.1	80.14	Casing Joints
7	29.00	L-80	2,119.1	2,161.3	42.20	Casing Joints
7	29.00	L-80	2,161.3	2,249.2	87.96	Casing Joints
7	29.00	L-80	2,249.2	2,291.4	42.20	Casing Joints
7	29.00	L-80	2,291.4	2,374.1	82.69	Casing Joints
7	29.00	L-80	2,374.1	2,419.2	45.12	Casing Joints
7	29.00	L-80	2,419.2	2,498.4	79.15	Casing Joints
7	29.00	L-80	2,498.4	2,537.6	39.23	Casing Joints
7	29.00	L-80	2,537.6	2,616.5	78.85	Casing Joints





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Well Name: RAZOR 27L-3404B

API Number 051233774400		WPC ID 1CO076886		Well Permit Number		Field Name DJ Horizontal Niobrara		County Weld		State CO	
Well Configuration Type Lateral/Horizontal			Orig KB Elv (ft) 4,772.30		Ground Elevation (ft) 4,755.00		Casing Flange Elevation (ft)		Tubing Head Elevation (ft)		Total Depth (ftKB) 12,490.0
Original Spud Date 8/11/2013		Completion Date 8/24/2013		Asset Group Redtail Asset Group		Responsible Engineer Gary Nordlander		N/S Dist (ft) 2,447.0	N/S Ref FSL	E/W Dist (ft) 726.0	E/W Ref FWL
Lot	Quarter 1 NW	Quarter 2 SW	Quarter 3	Quarter 4	Section 27	Section Suffix	Section Type	Township 10 N	Township N/S Dir	Range 58 W	Meridian 6TH

Lateral/Horizontal - Original Hole, 2/21/2014 11:43:45 AM				OD (in)	Wt (lb/ft)	Grade	Top (ftKB)	Btm (ftKB)	Len (ft)	Item Des
MD (ftKB)	TV D (ftKB)	n cl (°)	Vertical schematic (actual)	7	29.00	L-80	2,616.5	2,658.6	42.16	Casing Joints
				7	29.00	L-80	2,658.6	2,738.9	80.27	Casing Joints
				7	29.00	L-80	2,738.9	2,782.6	43.75	Casing Joints
				7	29.00	L-80	2,782.6	2,864.6	81.95	Casing Joints
170.6				7	29.00	L-80	2,864.6	2,904.0	39.36	Casing Joints
747.0				7	29.00	L-80	2,904.0	2,977.7	73.76	Casing Joints
1,289.4				7	29.00	L-80	2,977.7	3,022.5	44.80	Casing Joints
1,552.8				7	29.00	L-80	3,022.5	3,104.2	81.70	Casing Joints
1,873.0				7	29.00	L-80	3,104.2	3,141.7	37.53	Casing Joints
2,419.3				7	29.00	L-80	3,141.7	3,179.1	37.37	Casing Joints
2,924.5				7	29.00	L-80	3,179.1	3,218.4	39.33	Casing Joints
3,305.4				7	29.00	L-80	3,218.4	3,262.6	44.16	Casing Joints
3,685.0				7	29.00	L-80	3,262.6	3,305.6	43.00	Casing Joints
3,989.8				7	29.00	L-80	3,305.6	3,350.5	44.86	Casing Joints
4,368.4				7	29.00	L-80	3,350.5	3,394.7	44.26	Casing Joints
4,654.5				7	29.00	L-80	3,394.7	3,435.3	40.59	Casing Joints
4,910.8				7	29.00	L-80	3,435.3	3,472.1	36.80	Casing Joints
5,113.2				7	29.00	L-80	3,472.1	3,510.1	38.00	Casing Joints
5,495.4				7	29.00	L-80	3,510.1	3,553.6	43.44	Casing Joints
5,756.6				7	29.00	L-80	3,553.6	3,597.2	43.69	Casing Joints
5,992.8				7	29.00	L-80	3,597.2	3,641.0	43.76	Casing Joints
6,145.0				7	29.00	L-80	3,641.0	3,685.2	44.18	Casing Joints
6,349.1				7	29.00	L-80	3,685.2	3,727.2	42.01	Casing Joints
6,535.1				7	29.00	L-80	3,727.2	3,769.1	41.95	Casing Joints
6,769.4				7	29.00	L-80	3,769.1	3,815.0	45.85	Casing Joints
6,967.2				7	29.00	L-80	3,815.0	3,859.5	44.50	Casing Joints
7,182.1				7	29.00	L-80	3,859.5	3,904.4	44.87	Casing Joints
7,376.0				7	29.00	L-80	3,904.4	3,947.6	43.25	Casing Joints
7,617.1				7	29.00	L-80	3,947.6	3,990.0	42.38	Casing Joints
7,811.0				7	29.00	L-80	3,990.0	4,033.7	43.75	Casing Joints
8,051.8				7	29.00	L-80	4,033.7	4,073.6	39.85	Casing Joints
8,247.0				7	29.00	L-80	4,073.6	4,116.3	42.75	Casing Joints
8,488.2				7	29.00	L-80	4,116.3	4,154.9	38.51	Casing Joints
8,692.9				7	29.00	L-80	4,154.9	4,199.1	44.20	Casing Joints
8,916.0				7	29.00	L-80	4,199.1	4,239.7	40.67	Casing Joints
9,099.1				7	29.00	L-80	4,239.7	4,280.2	40.48	Casing Joints
9,284.1				7	29.00	L-80	4,280.2	4,325.8	45.57	Casing Joints
9,434.1				7	29.00	L-80	4,325.8	4,368.5	42.72	Casing Joints
9,618.1				7	29.00	L-80	4,368.5	4,408.4	39.95	Casing Joints
9,768.0				7	29.00	L-80	4,408.4	4,447.1	38.65	Casing Joints
9,952.1				7	29.00	L-80	4,447.1	4,483.8	36.75	Casing Joints
10,111.9				7	29.00	L-80	4,483.8	4,526.8	42.95	Casing Joints
10,285.1				7	29.00	L-80	4,526.8	4,567.4	40.56	Casing Joints
10,428.1				7	29.00	L-80	4,567.4	4,612.3	44.90	Casing Joints
10,611.9				7	29.00	L-80	4,612.3	4,654.6	42.36	Casing Joints
10,762.1				7	29.00	L-80	4,654.6	4,691.4	36.83	Casing Joints
10,945.9				7	29.00	L-80	4,691.4	4,736.4	44.91	Casing Joints
11,091.9				7	29.00	L-80	4,736.4	4,777.6	41.28	Casing Joints
11,263.5				7	29.00	L-80	4,777.6	4,821.9	44.31	Casing Joints
11,414.0				7	29.00	L-80	4,821.9	4,865.8	43.84	Casing Joints
11,556.1				7	29.00	L-80	4,865.8	4,909.9	44.16	Casing Joints
11,707.0				7	29.00	L-80	4,909.9	4,950.4	40.45	Casing Joints
11,882.9				7	29.00	L-80	4,950.4	4,993.6	43.21	Casing Joints
12,026.9				7	29.00	L-80	4,993.6	5,030.3	36.65	Casing Joints
12,205.1				7	29.00	L-80	5,030.3	5,074.7	44.48	Casing Joints
12,361.9				7	29.00	L-80	5,074.7	5,113.4	38.62	Casing Joints
				7	29.00	L-80	5,113.4	5,156.3	42.90	Casing Joints
				7	29.00	L-80	5,156.3	5,196.6	40.30	Casing Joints
				7	29.00	L-80	5,196.6	5,240.2	43.61	Casing Joints
				7	29.00	L-80	5,240.2	5,285.1	44.90	Casing Joints
				7	29.00	L-80	5,285.1	5,325.5	40.42	Casing Joints
				7	29.00	L-80	5,325.5	5,369.3	43.82	Casing Joints
				7	29.00	L-80	5,369.3	5,413.8	44.51	Casing Joints
				7	29.00	L-80	5,413.8	5,456.9	43.10	Casing Joints
				7	29.00	L-80	5,456.9	5,495.3	38.37	Casing Joints
				7	29.00	L-80	5,495.3	5,539.2	43.87	Casing Joints
				7	29.00	L-80	5,539.2	5,582.3	43.10	Casing Joints
				7	29.00	L-80	5,582.3	5,619.0	36.70	Casing Joints
				7	29.00	L-80	5,619.0	5,659.2	40.26	Casing Joints
				7	29.00	L-80	5,659.2	5,701.6	42.42	Casing Joints
				7	29.00	L-80	5,701.6	5,738.5	36.91	Casing Joints



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Well Name: RAZOR 27L-3404B

API Number 051233774400		WPC ID 1CO076886		Well Permit Number		Field Name DJ Horizontal Niobrara		County Weld		State CO	
Well Configuration Type Lateral/Horizontal			Orig KB Elv (ft) 4,772.30		Ground Elevation (ft) 4,755.00		Casing Flange Elevation (ft)		Tubing Head Elevation (ft)		Total Depth (ftKB) 12,490.0
Original Spud Date 8/11/2013		Completion Date 8/24/2013		Asset Group Redtail Asset Group		Responsible Engineer Gary Nordlander		N/S Dist (ft) 2,447.0	N/S Ref FSL	E/W Dist (ft) 726.0	E/W Ref FWL
Lot	Quarter 1 NW	Quarter 2 SW	Quarter 3	Quarter 4	Section 27	Section Suffix	Section Type	Township 10 N	Township N/S Dir	Range 58 W	Meridian 6TH

Lateral/Horizontal - Original Hole, 2/21/2014 11:43:49 AM				OD (in)	Wt (lb/ft)	Grade	Top (ftKB)	Btm (ftKB)	Len (ft)	Item Des			
MD (ftKB) TV D (ftKB) n cl (°)	Vertical schematic (actual)			Logs			7	29.00	L-80	5,738.5	5,780.1	41.56	Casing Joints
							7	29.00	L-80	5,780.1	5,822.3	42.15	Casing Joints
							7	29.00	L-80	5,822.3	5,863.1	40.82	Casing Joints
							7	29.00	L-80	5,863.1	5,905.9	42.80	Casing Joints
							7	29.00	L-80	5,905.9	5,948.2	42.29	Casing Joints
							7	29.00	L-80	5,948.2	5,992.9	44.69	Casing Joints
							7	29.00	L-80	5,992.9	6,035.2	42.35	Casing Joints
							7	29.00	L-80	6,035.2	6,036.5	1.25	7" FLOAT COLLAR
							7	29.00	L-80	6,036.5	6,080.8	44.30	Casing Joints
							7	29.00	L-80	6,080.8	6,082.0	1.25	7" DV FLOAT SHOE
Liner, 12,480.0ftKB													
				OD (in)	Wt (lb/ft)	Grade	Top (ftKB)	Btm (ftKB)	Len (ft)	Item Des			
				4 1/2	11.60	SeAH-90	5,004.9	5,004.9	0.00	Casing Joints			
				4 1/2	11.60	SeAH-90	5,004.9	5,041.0	36.03	Liner Hanger			
				4 1/2	11.60	SeAH-90	5,041.0	6,211.7	1,170.74	Casing Joints			
				4 1/2	11.60	SeAH-90	6,211.7	6,223.9	12.23	Swell Packer			
				4 1/2	11.60	SeAH-90	6,223.9	6,397.3	173.39	Casing Joints			
				4 1/2	11.60	SeAH-90	6,397.3	6,409.6	12.23	Swell Packer			
				4 1/2	11.60	SeAH-90	6,409.6	6,583.2	173.60	Casing Joints			
				4 1/2	11.60	SeAH-90	6,583.2	6,595.4	12.23	Swell Packer			
				4 1/2	11.60	SeAH-90	6,595.4	6,769.2	173.81	Casing Joints			
				4 1/2	11.60	SeAH-90	6,769.2	6,781.4	12.23	Swell Packer			
				4 1/2	11.60	SeAH-90	6,781.4	6,954.8	173.41	Casing Joints			
				4 1/2	11.60	SeAH-90	6,954.8	6,967.1	12.21	Swell Packer			
				4 1/2	11.60	SeAH-90	6,967.1	7,140.7	173.69	Casing Joints			
				4 1/2	11.60	SeAH-90	7,140.7	7,153.0	12.23	Swell Packer			
				4 1/2	11.60	SeAH-90	7,153.0	7,331.6	178.63	Casing Joints			
				4 1/2	11.60	SeAH-90	7,331.6	7,343.8	12.23	Swell Packer			
				4 1/2	11.60	SeAH-90	7,343.8	7,524.4	180.54	Casing Joints			
				4 1/2	11.60	SeAH-90	7,524.4	7,536.6	12.24	Swell Packer			
				4 1/2	11.60	SeAH-90	7,536.6	7,717.1	180.51	Casing Joints			
				4 1/2	11.60	SeAH-90	7,717.1	7,729.4	12.24	Swell Packer			
				4 1/2	11.60	SeAH-90	7,729.4	7,909.8	180.40	Casing Joints			
				4 1/2	11.60	SeAH-90	7,909.8	7,922.0	12.23	Swell Packer			
				4 1/2	11.60	SeAH-90	7,922.0	8,102.5	180.53	Casing Joints			
				4 1/2	11.60	SeAH-90	8,102.5	8,114.8	12.24	Swell Packer			
				4 1/2	11.60	SeAH-90	8,114.8	8,295.3	180.56	Casing Joints			
				4 1/2	11.60	SeAH-90	8,295.3	8,307.6	12.24	Swell Packer			
				4 1/2	11.60	SeAH-90	8,307.6	8,488.1	180.53	Casing Joints			
				4 1/2	11.60	SeAH-90	8,488.1	8,500.3	12.24	Swell Packer			
				4 1/2	11.60	SeAH-90	8,500.3	8,680.8	180.50	Casing Joints			
				4 1/2	11.60	SeAH-90	8,680.8	8,693.1	12.22	Swell Packer			
				4 1/2	11.60	SeAH-90	8,693.1	8,873.7	180.61	Casing Joints			
				4 1/2	11.60	SeAH-90	8,873.7	8,885.9	12.25	Swell Packer			
				4 1/2	11.60	SeAH-90	8,885.9	9,066.5	180.55	Casing Joints			
				4 1/2	11.60	SeAH-90	9,066.5	9,078.7	12.22	Swell Packer			
				4 1/2	11.60	SeAH-90	9,078.7	9,214.1	135.38	Casing Joints			
				4 1/2	11.60	SeAH-90	9,214.1	9,226.3	12.23	Swell Packer			
				4 1/2	11.60	SeAH-90	9,226.3	9,361.7	135.38	Casing Joints			
				4 1/2	11.60	SeAH-90	9,361.7	9,373.9	12.25	Swell Packer			
				4 1/2	11.60	SeAH-90	9,373.9	9,509.3	135.41	Casing Joints			
				4 1/2	11.60	SeAH-90	9,509.3	9,521.6	12.23	Swell Packer			
				4 1/2	11.60	SeAH-90	9,521.6	9,656.9	135.37	Casing Joints			
				4 1/2	11.60	SeAH-90	9,656.9	9,669.2	12.24	Swell Packer			
				4 1/2	11.60	SeAH-90	9,669.2	9,804.6	135.43	Casing Joints			
				4 1/2	11.60	SeAH-90	9,804.6	9,816.8	12.22	Swell Packer			
				4 1/2	11.60	SeAH-90	9,816.8	9,952.2	135.37	Casing Joints			
				4 1/2	11.60	SeAH-90	9,952.2	9,964.4	12.23	Swell Packer			
				4 1/2	11.60	SeAH-90	9,964.4	10,099.8	135.42	Casing Joints			
				4 1/2	11.60	SeAH-90	10,099.8	10,112.0	12.15	Swell Packer			
				4 1/2	11.60	SeAH-90	10,112.0	10,247.4	135.43	Casing Joints			
				4 1/2	11.60	SeAH-90	10,247.4	10,259.7	12.24	Swell Packer			
				4 1/2	11.60	SeAH-90	10,259.7	10,394.6	134.94	Casing Joints			
				4 1/2	11.60	SeAH-90	10,394.6	10,406.8	12.23	Swell Packer			
				4 1/2	11.60	SeAH-90	10,406.8	10,542.2	135.34	Casing Joints			
				4 1/2	11.60	SeAH-90	10,542.2	10,554.4	12.23	Swell Packer			
				4 1/2	11.60	SeAH-90	10,554.4	10,689.7	135.34	Casing Joints			
				4 1/2	11.60	SeAH-90	10,689.7	10,702.0	12.23	Swell Packer			
				4 1/2	11.60	SeAH-90	10,702.0	10,837.3	135.36	Casing Joints			
				4 1/2	11.60	SeAH-90	10,837.3	10,849.6	12.23	Swell Packer			
				4 1/2	11.60	SeAH-90	10,849.6	10,984.9	135.38	Casing Joints			
				4 1/2	11.60	SeAH-90	10,984.9	10,997.2	12.23	Swell Packer			



Lease Review All CR

Well Name: RAZOR 27L-3404B

API Number 051233774400		WPC ID 1C0076886		Well Permit Number		Field Name DJ Horizontal Niobrara		County Weld		State CO		
Well Configuration Type Lateral/Horizontal		Orig KB Elv (ft) 4,772.30		Ground Elevation (ft) 4,755.00		Casing Flange Elevation (ft)		Tubing Head Elevation (ft)		Total Depth (ftKB) 12,490.0		
Original Spud Date 8/11/2013		Completion Date 8/24/2013		Asset Group Redtail Asset Group		Responsible Engineer Gary Nordlander		N/S Dist (ft) 2,447.0	N/S Ref FSL	E/W Dist (ft) 726.0	E/W Ref FWL	
Lot	Quarter 1 NW	Quarter 2 SW	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 6TH

Lateral/Horizontal - Original Hole, 2/21/2014 11:43:52 AM				OD (in)	Wt (lb/ft)	Grade	Top (ftKB)	Btm (ftKB)	Len (ft)	Item Des
MD (ftKB)	TV D (ftKB)	n cl (°)	Vertical schematic (actual)	4 1/2	11.60	SeAH-90	10,997.2	11,128.2	131.06	Casing Joints
				4 1/2	11.60	SeAH-90	11,128.2	11,140.5	12.24	Swell Packer
				4 1/2	11.60	SeAH-90	11,140.5	11,263.4	122.89	Casing Joints
				4 1/2	11.60	SeAH-90	11,263.4	11,275.6	12.23	Swell Packer
170.6				4 1/2	11.60	SeAH-90	11,275.6	11,401.7	126.06	Casing Joints
747.0				4 1/2	11.60	SeAH-90	11,401.7	11,413.9	12.23	Swell Packer
1,289.4				4 1/2	11.60	SeAH-90	11,413.9	11,537.6	123.69	Casing Joints
1,552.8				4 1/2	11.60	SeAH-90	11,537.6	11,549.8	12.21	Swell Packer
1,873.0				4 1/2	11.60	SeAH-90	11,549.8	11,675.9	126.12	Casing Joints
2,419.3				4 1/2	11.60	SeAH-90	11,675.9	11,688.1	12.22	Swell Packer
2,924.5				4 1/2	11.60	SeAH-90	11,688.1	11,815.4	127.25	Casing Joints
3,305.4				4 1/2	11.60	SeAH-90	11,815.4	11,827.6	12.23	Swell Packer
3,685.0				4 1/2	11.60	SeAH-90	11,827.6	11,957.6	129.96	Casing Joints
3,989.8				4 1/2	11.60	SeAH-90	11,957.6	11,969.8	12.22	Swell Packer
4,368.4				4 1/2	11.60	SeAH-90	11,969.8	12,099.5	129.76	Casing Joints
4,654.5				4 1/2	11.60	SeAH-90	12,099.5	12,111.8	12.25	Swell Packer
4,910.8				4 1/2	11.60	SeAH-90	12,111.8	12,242.3	130.53	Casing Joints
5,113.2				4 1/2	11.60	SeAH-90	12,242.3	12,254.5	12.22	Swell Packer
5,495.4				4 1/2	11.60	SeAH-90	12,254.5	12,377.5	122.96	Casing Joints
5,756.6				4 1/2	11.60	SeAH-90	12,377.5	12,389.7	12.23	Swell Packer
5,992.8				4 1/2	11.60	SeAH-90	12,389.7	12,433.0	43.31	Casing Joints
6,145.0				4 1/2	11.60	SeAH-90	12,433.0	12,434.0	0.97	Float Collar
6,349.1				4 1/2	11.60	SeAH-90	12,434.0	12,477.5	43.47	Casing Joints
6,535.1				4 1/2	11.60	SeAH-90	12,477.5	12,480.0	2.52	Float Shoe
6,769.4				Cement Stages						
6,967.2				Des		Pump Start Date	Drill Out Date	Top (ftKB)	Btm (ftKB)	Top Meas Meth
7,182.1				Conductor Cement		8/5/2013		17.3	80.0	Returns to Surface
7,376.0				Surface Casing Cement		8/12/2013		17.3	1,554.4	Returns to Surface
7,617.1				Intermediate Casing Cement		8/15/2013		17.3	6,082.0	Returns to Surface
7,811.0				Perforations						
8,051.8				Type of Hole	Date	Top (ftKB)	Btm (ftKB)	Zone		
8,247.0				Perforated Liner	12/31/2013	6,108.0	6,110.0	Niobrara, Original Hole		
8,488.2				Perforated Liner	12/31/2013	6,143.0	6,145.0	Niobrara, Original Hole		
8,692.9				Perforated Liner	12/31/2013	6,177.0	6,179.0	Niobrara, Original Hole		
8,916.0				Perforated Liner	12/30/2013	6,252.0	6,254.0	Niobrara, Original Hole		
9,099.1				Perforated Liner	12/30/2013	6,301.0	6,303.0	Niobrara, Original Hole		
9,284.1				Perforated Liner	12/30/2013	6,349.0	6,351.0	Niobrara, Original Hole		
9,434.1				Perforated Liner	12/30/2013	6,438.0	6,440.0	Niobrara, Original Hole		
9,618.1				Perforated Liner	12/30/2013	6,486.0	6,488.0	Niobrara, Original Hole		
9,768.0				Perforated Liner	12/30/2013	6,533.0	6,535.0	Niobrara, Original Hole		
9,952.1				Perforated Liner	12/30/2013	6,624.0	6,626.0	Niobrara, Original Hole		
10,111.9				Perforated Liner	12/30/2013	6,672.0	6,674.0	Niobrara, Original Hole		
10,285.1				Perforated Liner	12/30/2013	6,718.0	6,720.0	Niobrara, Original Hole		
10,428.1				Perforated Liner	12/30/2013	6,810.0	6,812.0	Niobrara, Original Hole		
10,611.9				Perforated Liner	12/30/2013	6,858.0	6,860.0	Niobrara, Original Hole		
10,762.1				Perforated Liner	12/30/2013	6,906.0	6,908.0	Niobrara, Original Hole		
10,945.9				Perforated Liner	12/30/2013	6,995.0	6,997.0	Niobrara, Original Hole		
11,091.9				Perforated Liner	12/30/2013	7,044.0	7,046.0	Niobrara, Original Hole		
11,263.5				Perforated Liner	12/30/2013	7,092.0	7,094.0	Niobrara, Original Hole		
11,414.0				Perforated Liner	12/30/2013	7,182.0	7,184.0	Niobrara, Original Hole		
11,556.1				Perforated Liner	12/30/2013	7,232.0	7,234.0	Niobrara, Original Hole		
11,707.0				Perforated Liner	12/30/2013	7,282.0	7,284.0	Niobrara, Original Hole		
11,882.9										
12,026.9										
12,205.1										
12,361.9										



Lease Review All CR

Well Name: RAZOR 27L-3404B

API Number 051233774400		WPC ID 1CO076886		Well Permit Number		Field Name DJ Horizontal Niobrara		County Weld		State CO	
Well Configuration Type Lateral/Horizontal			Orig KB Elv (ft) 4,772.30		Ground Elevation (ft) 4,755.00		Casing Flange Elevation (ft)		Tubing Head Elevation (ft)		Total Depth (ftKB) 12,490.0
Original Spud Date 8/11/2013		Completion Date 8/24/2013		Asset Group Redtail Asset Group		Responsible Engineer Gary Nordlander		N/S Dist (ft) 2,447.0	N/S Ref FSL	E/W Dist (ft) 726.0	E/W Ref FWL
Lot	Quarter 1 NW	Quarter 2 SW	Quarter 3	Quarter 4	Section 27	Section Suffix	Section Type	Township 10 N	Township N/S Dir	Range 58 W	Meridian 6TH

Lateral/Horizontal - Original Hole, 2/21/2014 11:43:55 AM

MD (ftKB)	TV D (ftKB)	n cl (°)	Vertical schematic (actual)	Logs	Perforations				
					Type of Hole	Date	Top (ftKB)	Btm (ftKB)	Zone
170.6					Perforated Liner	12/29/2013	7,374.0	7,376.0	Niobrara, Original Hole
747.0					Perforated Liner	12/29/2013	7,424.0	7,426.0	Niobrara, Original Hole
1,289.4					Perforated Liner	12/29/2013	7,500.0	7,502.0	Niobrara, Original Hole
1,552.8					Perforated Liner	12/29/2013	7,567.0	7,569.0	Niobrara, Original Hole
1,873.0					Perforated Liner	12/29/2013	7,617.0	7,619.0	Niobrara, Original Hole
2,419.3					Perforated Liner	12/29/2013	7,667.0	7,669.0	Niobrara, Original Hole
2,924.5					Perforated Liner	12/29/2013	7,759.0	7,761.0	Niobrara, Original Hole
3,305.4					Perforated Liner	12/29/2013	7,809.0	7,811.0	Niobrara, Original Hole
3,685.0					Perforated Liner	12/29/2013	7,858.0	7,860.0	Niobrara, Original Hole
3,989.8					Perforated Liner	12/29/2013	7,952.0	7,954.0	Niobrara, Original Hole
4,368.4					Perforated Liner	12/28/2013	8,002.0	8,004.0	Niobrara, Original Hole
4,654.5					Perforated Liner	12/28/2013	8,052.0	8,054.0	Niobrara, Original Hole
4,910.8					Perforated Liner	12/28/2013	8,145.0	8,147.0	Niobrara, Original Hole
5,113.2					Perforated Liner	12/28/2013	8,185.0	8,187.0	Niobrara, Original Hole
5,495.4					Perforated Liner	12/28/2013	8,245.0	8,247.0	Niobrara, Original Hole
5,756.6					Perforated Liner	12/28/2013	8,338.0	8,340.0	Niobrara, Original Hole
5,992.8					Perforated Liner	12/27/2013	8,388.0	8,390.0	Niobrara, Original Hole
6,145.0					Perforated Liner	12/27/2013	8,438.0	8,440.0	Niobrara, Original Hole
6,349.1					Perforated Liner	12/27/2013	8,530.0	8,532.0	Niobrara, Original Hole
6,535.1					Perforated Liner	12/27/2013	8,580.0	8,582.0	Niobrara, Original Hole
6,769.4					Perforated Liner	12/27/2013	8,628.0	8,630.0	Niobrara, Original Hole
6,967.2					Perforated Liner	12/27/2013	8,723.0	8,725.0	Niobrara, Original Hole
7,182.1					Perforated Liner	12/27/2013	8,773.0	8,775.0	Niobrara, Original Hole
7,376.0					Perforated Liner	12/27/2013	8,823.0	8,825.0	Niobrara, Original Hole
7,617.1					Perforated Liner	12/23/2013	8,916.0	8,918.0	Niobrara, Original Hole
7,811.0					Perforated Liner	12/23/2013	8,966.0	8,968.0	Niobrara, Original Hole
8,051.8					Perforated Liner	12/23/2013	9,016.0	9,018.0	Niobrara, Original Hole
8,247.0					Perforated Liner	12/23/2013	9,097.0	9,099.0	Niobrara, Original Hole
8,488.2					Perforated Liner	12/23/2013	9,136.0	9,138.0	Niobrara, Original Hole
8,692.9					Perforated Liner	12/23/2013	9,175.0	9,177.0	Niobrara, Original Hole
8,916.0					Perforated Liner	12/23/2013	9,245.0	9,247.0	Niobrara, Original Hole
9,099.1					Perforated Liner	12/23/2013	9,284.0	9,286.0	Niobrara, Original Hole
9,284.1					Perforated Liner	12/23/2013	9,323.0	9,325.0	Niobrara, Original Hole
9,434.1					Perforated Liner	12/23/2013	9,393.0	9,395.0	Niobrara, Original Hole
9,618.1					Perforated Liner	12/23/2013	9,432.0	9,434.0	Niobrara, Original Hole
9,768.0					Perforated Liner	12/23/2013	9,470.0	9,472.0	Niobrara, Original Hole
9,952.1					Perforated Liner	12/23/2013	9,540.0	9,542.0	Niobrara, Original Hole
10,111.9					Perforated Liner	12/23/2013	9,579.0	9,581.0	Niobrara, Original Hole
10,285.1					Perforated Liner	12/23/2013	9,618.0	9,620.0	Niobrara, Original Hole
10,428.1									
10,611.9									
10,762.1									
10,945.9									
11,091.9									
11,263.5									
11,414.0									
11,556.1									
11,707.0									
11,882.9									
12,026.9									
12,205.1									
12,361.9									



Lease Review All CR

Well Name: RAZOR 27L-3404B

API Number 051233774400		WPC ID 1CO076886		Well Permit Number		Field Name DJ Horizontal Niobrara		County Weld		State CO	
Well Configuration Type Lateral/Horizontal			Orig KB Elv (ft) 4,772.30		Ground Elevation (ft) 4,755.00		Casing Flange Elevation (ft)		Tubing Head Elevation (ft)		Total Depth (ftKB) 12,490.0
Original Spud Date 8/11/2013		Completion Date 8/24/2013		Asset Group Redtail Asset Group		Responsible Engineer Gary Nordlander		N/S Dist (ft) 2,447.0	N/S Ref FSL	E/W Dist (ft) 726.0	E/W Ref FWL
Lot	Quarter 1 NW	Quarter 2 SW	Quarter 3	Quarter 4	Section 27	Section Suffix	Section Type	Township 10 N	Township N/S Dir	Range 58 W	Meridian 6TH

Lateral/Horizontal - Original Hole, 2/21/2014 11:43:58 AM				Perforations					
MD (ftKB)	TV D (ftKB)	n cl (°)	Vertical schematic (actual)	Logs	Type of Hole	Date	Top (ftKB)	Btm (ftKB)	Zone
170.6					Perforated Liner	12/23/2013	9,688.0	9,690.0	Niobrara, Original Hole
747.0				Perforated Liner	12/23/2013	9,727.0	9,729.0	Niobrara, Original Hole	
1,289.4				Perforated Liner	12/23/2013	9,766.0	9,768.0	Niobrara, Original Hole	
1,552.8				Perforated Liner	12/22/2013	9,836.0	9,838.0	Niobrara, Original Hole	
1,873.0				Perforated Liner	12/22/2013	9,874.0	9,876.0	Niobrara, Original Hole	
2,419.3				Perforated Liner	12/22/2013	9,913.0	9,915.0	Niobrara, Original Hole	
2,924.5				Perforated Liner	12/22/2013	9,983.0	9,985.0	Niobrara, Original Hole	
3,305.4				Perforated Liner	12/22/2013	10,022.0	10,024.0	Niobrara, Original Hole	
3,685.0				Perforated Liner	12/22/2013	10,061.0	10,063.0	Niobrara, Original Hole	
3,989.8				Perforated Liner	12/22/2013	10,131.0	10,133.0	Niobrara, Original Hole	
4,368.4				Perforated Liner	12/22/2013	10,160.0	10,162.0	Niobrara, Original Hole	
4,654.5				Perforated Liner	12/22/2013	10,196.0	10,198.0	Niobrara, Original Hole	
4,910.8				Perforated Liner	12/22/2013	10,285.0	10,287.0	Niobrara, Original Hole	
5,113.2				Perforated Liner	12/22/2013	10,317.0	10,319.0	Niobrara, Original Hole	
5,495.4				Perforated Liner	12/22/2013	10,356.0	10,358.0	Niobrara, Original Hole	
5,756.6				Perforated Liner	12/22/2013	10,426.0	10,428.0	Niobrara, Original Hole	
5,992.8				Perforated Liner	12/22/2013	10,464.0	10,466.0	Niobrara, Original Hole	
6,145.0				Perforated Liner	12/22/2013	10,503.0	10,505.0	Niobrara, Original Hole	
6,349.1				Perforated Liner	12/21/2013	10,573.0	10,575.0	Niobrara, Original Hole	
6,535.1				Perforated Liner	12/21/2013	10,612.0	10,614.0	Niobrara, Original Hole	
6,769.4				Perforated Liner	12/21/2013	10,651.0	10,653.0	Niobrara, Original Hole	
6,967.2				Perforated Liner	12/21/2013	10,721.0	10,723.0	Niobrara, Original Hole	
7,182.1				Perforated Liner	12/21/2013	10,760.0	10,762.0	Niobrara, Original Hole	
7,376.0				Perforated Liner	12/21/2013	10,798.0	10,800.0	Niobrara, Original Hole	
7,617.1				Perforated Liner	12/21/2013	10,868.0	10,870.0	Niobrara, Original Hole	
7,811.0				Perforated Liner	12/21/2013	10,907.0	10,909.0	Niobrara, Original Hole	
8,051.8				Perforated Liner	12/21/2013	10,946.0	10,948.0	Niobrara, Original Hole	
8,247.0				Perforated Liner	12/20/2013	11,015.0	11,017.0	Niobrara, Original Hole	
8,488.2				Perforated Liner	12/20/2013	11,053.0	11,055.0	Niobrara, Original Hole	
8,692.9				Perforated Liner	12/20/2013	11,090.0	11,092.0	Niobrara, Original Hole	
8,916.0			Perforated Liner	12/20/2013	11,156.0	11,158.0	Niobrara, Original Hole		
9,099.1			Perforated Liner	12/20/2013	11,192.0	11,194.0	Niobrara, Original Hole		
9,284.1			Perforated Liner	12/20/2013	11,228.0	11,230.0	Niobrara, Original Hole		
9,434.1			Perforated Liner	12/20/2013	11,292.0	11,294.0	Niobrara, Original Hole		
9,618.1			Perforated Liner	12/20/2013	11,329.0	11,331.0	Niobrara, Original Hole		
9,768.0			Perforated Liner	12/20/2013	11,365.0	11,367.0	Niobrara, Original Hole		
9,952.1			Perforated Liner	12/20/2013	11,424.0	11,426.0	Niobrara, Original Hole		
10,111.9			Perforated Liner	12/20/2013	11,446.0	11,448.0	Niobrara, Original Hole		
10,285.1			Perforated Liner	12/20/2013	11,502.0	11,504.0	Niobrara, Original Hole		
10,428.1									
10,611.9									
10,762.1									
10,945.9									
11,091.9									
11,263.5									
11,414.0									
11,556.1									
11,707.0									
11,882.9									
12,026.9									
12,205.1									
12,361.9									



Lease Review All CR

Well Name: RAZOR 27L-3404B

API Number 051233774400		WPC ID 1CO076886		Well Permit Number		Field Name DJ Horizontal Niobrara		County Weld		State CO	
Well Configuration Type Lateral/Horizontal			Orig KB Elv (ft) 4,772.30		Ground Elevation (ft) 4,755.00		Casing Flange Elevation (ft)		Tubing Head Elevation (ft)		Total Depth (ftKB) 12,490.0
Original Spud Date 8/11/2013		Completion Date 8/24/2013		Asset Group Redtail Asset Group		Responsible Engineer Gary Nordlander		N/S Dist (ft) 2,447.0	N/S Ref FSL	E/W Dist (ft) 726.0	E/W Ref FWL
Lot	Quarter 1 NW	Quarter 2 SW	Quarter 3	Quarter 4	Section 27	Section Suffix	Section Type	Township 10 N	Township N/S Dir	Range 58 W	Meridian 6TH

Lateral/Horizontal - Original Hole, 2/21/2014 11:44:02 AM

MD (ftKB)	TV D (ftKB)	n cl (°)	Vertical schematic (actual)	Logs	Perforations				
					Type of Hole	Date	Top (ftKB)	Btm (ftKB)	Zone
170.6					Perforated Liner	12/19/2013	11,556.0	11,558.0	Niobrara, Original Hole
747.0					Perforated Liner	12/19/2013	11,603.0	11,605.0	Niobrara, Original Hole
1,289.4					Perforated Liner	12/19/2013	11,639.0	11,641.0	Niobrara, Original Hole
1,552.8					Perforated Liner	12/19/2013	11,705.0	11,707.0	Niobrara, Original Hole
1,873.0					Perforated Liner	12/19/2013	11,742.0	11,744.0	Niobrara, Original Hole
2,419.3					Perforated Liner	12/19/2013	11,779.0	11,781.0	Niobrara, Original Hole
2,924.5					Perforated Liner	12/19/2013	11,845.0	11,847.0	Niobrara, Original Hole
3,305.4					Perforated Liner	12/19/2013	11,883.0	11,885.0	Niobrara, Original Hole
3,685.0					Perforated Liner	12/19/2013	11,920.0	11,922.0	Niobrara, Original Hole
3,989.8					Perforated Liner	12/19/2013	11,987.0	11,989.0	Niobrara, Original Hole
4,368.4					Perforated Liner	12/19/2013	12,025.0	12,027.0	Niobrara, Original Hole
4,654.5					Perforated Liner	12/19/2013	12,062.0	12,064.0	Niobrara, Original Hole
4,910.8					Perforated Liner	12/19/2013	12,129.0	12,131.0	Niobrara, Original Hole
5,113.2					Perforated Liner	12/19/2013	12,167.0	12,169.0	Niobrara, Original Hole
5,495.4					Perforated Liner	12/18/2013	12,205.0	12,207.0	Niobrara, Original Hole
5,756.6					Perforated Liner	12/18/2013	12,290.0	12,292.0	Niobrara, Original Hole
5,992.8					Perforated Liner	12/18/2013	12,325.0	12,327.0	Niobrara, Original Hole
6,145.0					Perforated Liner	12/3/2013	12,360.0	12,362.0	Niobrara, Original Hole
6,349.1					Perforated Liner	12/3/2013			
6,535.1					Perforated Liner				
6,769.4					Perforated Liner				
6,967.2					Perforated Liner				
7,182.1					Perforated Liner				
7,376.0					Perforated Liner				
7,617.1					Perforated Liner				
7,811.0					Perforated Liner				
8,051.8					Perforated Liner				

Stim/Treat Stages					
Stage Type	Start Date	Top (ftKB)	Btm (ftKB)	Stim/Treat Fluid	Vol Clean Pump (bbl)
Frac	12/18/2013	6,108.0	12,362.0	388776# 40/70, 6107768# 20/40, 558307# CRC 20/40, Slick Water	156950.0

Tubing - Production set at 5,769.3ftKB on 1/31/2014 15:12

Set Depth (ftKB)	Comment	Run Date	Pull Date
5,769.3		1/31/2014	

Item Des	OD (in)	ID (in)	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing	2 7/8	2.441	31.40	0.0	31.4
Tubing Sub	2 7/8	2.441	2.00	31.4	33.4
Tubing Sub	2 7/8	2.441	3.00	33.4	36.4
Tubing	2 7/8	2.441	1,674.95	36.4	1,711.4
Mandrel - side pocket	2 7/8		4.05	1,711.4	1,715.4
Tubing	2 7/8	2.441	1,209.14	1,715.4	2,924.5
Mandrel - side pocket	2 7/8		4.05	2,924.5	2,928.6
Tubing	2 7/8	2.441	896.15	2,928.6	3,824.7
Mandrel - side pocket	2 7/8		4.05	3,824.7	3,828.8
Tubing	2 7/8	2.441	644.51	3,828.8	4,473.3
Mandrel - side pocket	2 7/8		4.05	4,473.3	4,477.4
Tubing	2 7/8	2.441	431.95	4,477.4	4,909.3
Cup Seating Nipple	2 7/8		1.00	4,909.3	4,910.3
Cross Over / 2-7/8" x 2-3/8"	2 7/8		0.50	4,910.3	4,910.8
Tubing	2 3/8	1.995	151.92	4,910.8	5,062.7
Mandrel - side pocket	2 3/8		4.05	5,062.7	5,066.8
Tubing	2 3/8	1.995	623.50	5,066.8	5,690.3
Mandrel - CM-1 2.375 #1 CV-SO	2 3/8		4.05	5,690.3	5,694.3
Tubing	2 3/8	1.995	62.30	5,694.3	5,756.6
On-Off Tool	2 3/8		2.00	5,756.6	5,758.6
KB Tools. AS-1 production pkr	2 3/8		6.00	5,758.6	5,764.6
4' sub w/re-entry Guide	2 3/8		4.65	5,764.6	5,769.3

Rod Strings				
<des> on <dtmrun>				
Rod Description			Run Date	Pull Date
Item Des	OD (in)	Len (ft)	Top (ftKB)	Btm (ftKB)



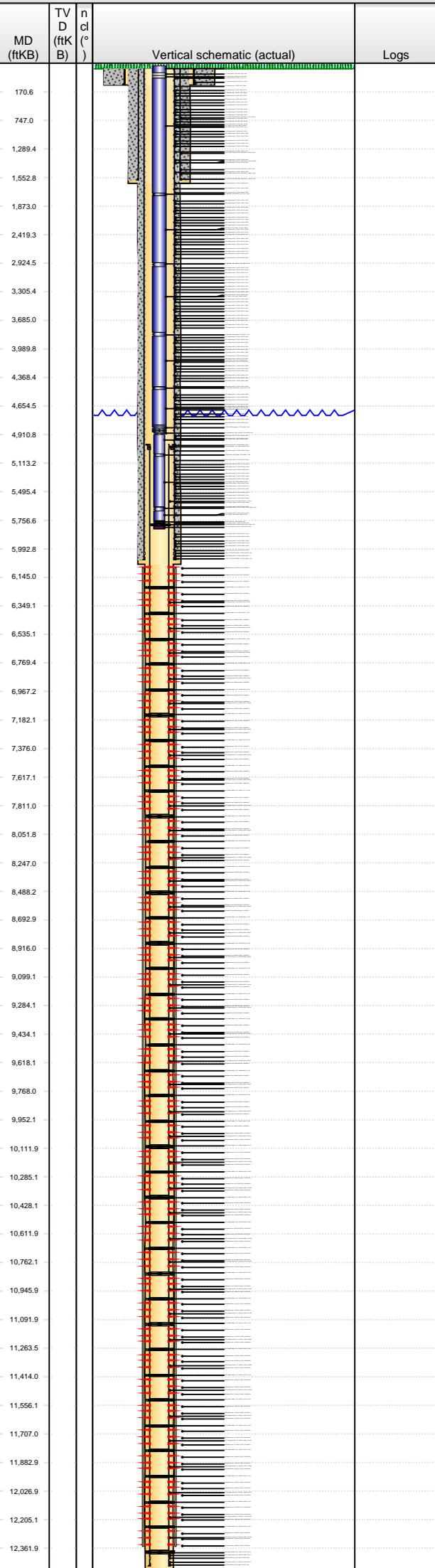
Lease Review All CR

Well Name: RAZOR 27L-3404B

API Number 051233774400		WPC ID 1CO076886		Well Permit Number		Field Name DJ Horizontal Niobrara		County Weld		State CO	
Well Configuration Type Lateral/Horizontal		Orig KB Elv (ft) 4,772.30		Ground Elevation (ft) 4,755.00		Casing Flange Elevation (ft)		Tubing Head Elevation (ft)		Total Depth (ftKB) 12,490.0	
Original Spud Date 8/11/2013		Completion Date 8/24/2013		Asset Group Redtail Asset Group		Responsible Engineer Gary Nordlander		N/S Dist (ft) 2,447.0	N/S Ref FSL	E/W Dist (ft) 726.0	E/W Ref FWL
Lot	Quarter 1 NW	Quarter 2 SW	Quarter 3	Quarter 4	Section 27	Section Suffix	Section Type	Township 10 N	Township N/S Dir	Range 58 W	Meridian 6TH

Lateral/Horizontal - Original Hole, 2/21/2014 11:44:05 AM

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



Other In Hole					
Des	OD (in)	Run Date	Pull Date	Top (ftKB)	Btm (ftKB)
CFP	4	12/31/2013	1/13/2014	6,202.0	6,204.0
CFP	4	12/30/2013	1/13/2014	6,387.0	6,389.0
CFP	4	12/30/2013	1/13/2014	6,573.0	6,575.0
CFP	4	12/30/2013	1/13/2014	6,759.0	6,761.0
CFP	4	12/30/2013	1/13/2014	6,945.0	6,947.0
CFP	4	12/30/2013	1/13/2014	7,131.0	7,133.0
CFP	4	12/30/2013	1/13/2014	7,322.0	7,324.0
CFP	4	12/29/2013	1/13/2014	7,514.0	7,516.0
CFP	4	12/29/2013	1/13/2014	7,707.0	7,709.0
CFP	4	12/29/2013	1/13/2014	7,900.0	7,902.0
CFP	4	12/29/2013	1/13/2014	8,093.0	8,095.0
CFP	4	12/28/2013	1/14/2014	8,285.0	8,287.0
CFP	4	12/27/2013	1/14/2014	8,478.0	8,480.0
CFP	4	12/27/2013	1/14/2014	8,671.0	8,673.0
CFP	4	12/27/2013	1/14/2014	8,864.0	8,866.0
CFP	4	12/23/2013	1/14/2014	9,057.0	9,059.0
CFP	4	12/23/2013	1/15/2014	9,204.0	9,206.0
CFP	4	12/23/2013	1/15/2014	9,352.0	9,354.0
CFP	4	12/23/2013	1/15/2014	9,499.0	9,501.0
CFP	4	12/23/2013	1/15/2014	9,647.0	9,649.0
CFP	4	12/23/2013	1/15/2014	9,795.0	9,797.0
CFP	4	12/22/2013	1/15/2014	9,942.0	9,944.0
CFP	4	12/22/2013	1/15/2014	10,090.0	10,092.0
CFP	4	12/22/2013	1/15/2014	10,237.0	10,239.0
CFP	4	12/22/2013	1/15/2014	10,385.0	10,387.0
CFP	4	12/22/2013	1/16/2014	10,532.0	10,534.0
CFP	4	12/21/2013	1/16/2014	10,680.0	10,682.0
CFP	4	12/21/2013	1/16/2014	10,827.0	10,829.0
CFP	4	12/21/2013	1/16/2014	10,975.0	10,977.0
CFP	4	12/20/2013	1/16/2014	11,118.0	11,120.0
CFP	4	12/20/2013	1/16/2014	11,253.0	11,255.0
CFP	4	12/20/2013	1/16/2014	11,392.0	11,394.0
CFP	4	12/20/2013	1/16/2014	11,528.0	11,530.0
CFP	4	12/19/2013	1/17/2014	11,666.0	11,668.0
CFP	4	12/19/2013	1/17/2014	11,805.0	11,807.0
CFP	4	12/19/2013	1/17/2014	11,947.0	11,949.0
CFP	4	12/19/2013	1/17/2014	12,090.0	12,092.0
CFP	4	12/18/2013	1/17/2014	12,325.0	12,327.0
CFP	4	12/3/2013	1/17/2014	12,423.0	12,425.0

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