Lease Review All CR

Well Name: RAZOR 21C-2805A

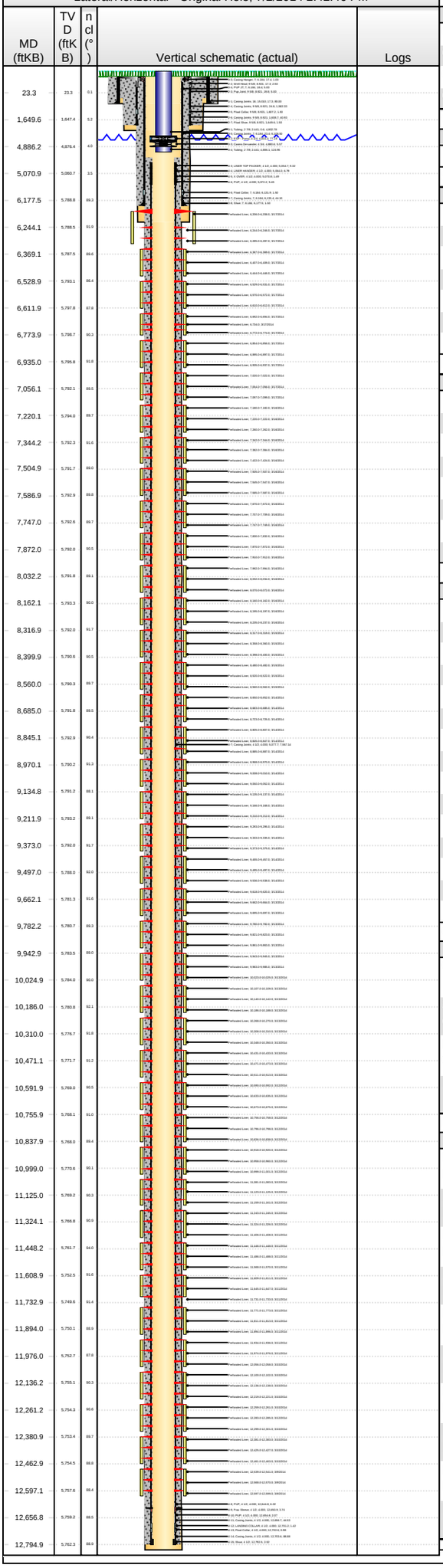
API Number	WPC ID	Well Permit Number	Field Name	County	State
051233783900	1CO076968	400441153	DJ Horizontal Niobrara	Weld	CO

Well Configuration Type	Orig KB Elv (ft)	Ground Elevation (ft)	Casing Flange Elevation (ft)	Tubing Head Elevation (ft)	Total Depth (ftKB)
Lateral/Horizontal	4,861.30	4,844.00			12,805.0

Original Spud Date	Completion Date	Asset Group	Responsible Engineer	N/S Dist (ft)	N/S Ref	E/W Dist (ft)	E/W Ref
12/22/2013	3/17/2014	Redtail Asset Group	Andrew Fish	329.0	FNL	1,947.0	FWL

Lot	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Section	Section Suffix	Section Type	Township	Township N/S Dir	Range	Range E/W Dir	Meridian
	NE	NW			21			10	N	58	W	

Lateral/Horizontal - Original Hole, 7/2/2014 2:42:46 PM



Wellbore Sections

Wellbore Name	Start Date	Size (in)	Act Top (ftKB)	Act Btm (ftKB)
Original Hole	11/16/2013	18 5/8	17.3	97.3
Original Hole	12/22/2013	13 1/2	97.3	1,671.0
Original Hole	12/24/2013	8 3/4	1,671.0	6,214.0
Original Hole	12/27/2013	6	6,214.0	12,805.0

Conductor Pipe, 97.3ftKB

OD (in)	Wt (lb/ft)	Grade	Top (ftKB)	Btm (ftKB)	Len (ft)	Item Des
16	84.00	J-55	17.3	97.3	80.00	Casing Joints

Surface Csg, 1,651.1ftKB

OD (in)	Wt (lb/ft)	Grade	Top (ftKB)	Btm (ftKB)	Len (ft)	Item Des
9 5/8	36.00	J-55	17.3	17.3	0.00	Landing Joint
9 5/8	36.00	J-55	17.3	19.8	2.50	Well Head
9 5/8	36.00	J-55	19.8	24.8	5.00	Pup Joint
9 5/8	36.00	J-55	24.8	1,607.2	1,582.33	Casing Joints
9 5/8	36.00	J-55	1,607.2	1,608.7	1.50	Float Collar
9 5/8	36.00	J-55	1,608.7	1,649.6	40.93	Casing Joints
9 5/8	36.00	J-55	1,649.6	1,651.1	1.50	Float Shoe

Intermediate Csg, 6,179.0ftKB

OD (in)	Wt (lb/ft)	Grade	Top (ftKB)	Btm (ftKB)	Len (ft)	Item Des
7	29.00	HCL-80	17.4	17.4	0.00	Casing Joints
7	29.00	HCL-80	17.4	17.4	0.00	Landing Joint
7	29.00	HCL-80	17.4	18.4	1.00	Casing Hanger
7	29.00	HCL-80	18.4	23.4	5.00	PUP JT
7	29.00	HCL-80	23.4	6,131.9	6,108.50	Casing Joints
7	29.00	HCL-80	6,131.9	6,133.4	1.50	Float Collar
7	29.00	HCL-80	6,133.4	6,177.5	44.10	Casing Joints
7	29.00	HCL-80	6,177.5	6,179.0	1.50	Shoe

Liner, 12,795.0ftKB

OD (in)	Wt (lb/ft)	Grade	Top (ftKB)	Btm (ftKB)	Len (ft)	Item Des
4 1/2	11.60	L-80	5,054.7	5,054.7	0.00	Casing Joints
4 1/2	11.60	L-80	5,054.7	5,054.7	0.00	TIE BACK EXTENTION
4 1/2	11.60	L-80	5,054.7	5,064.0	9.32	LINER TOP PACKER
4 1/2	11.60	L-80	5,064.0	5,070.8	6.79	LINER HANGER
4 1/2	11.60	L-80	5,070.8	5,072.3	1.49	X OVER
4 1/2	11.60	L-80	5,072.3	5,077.7	5.45	PUP
4 1/2	11.60	L-80	5,077.7	12,644.8	7,567.14	Casing Joints
4 1/2	11.60	L-80	12,644.8	12,650.9	6.02	PUP
4 1/2	11.60	L-80	12,650.9	12,654.6	3.74	Frac Sleeve
4 1/2	11.60	L-80	12,654.6	12,656.7	2.07	PUP
4 1/2	11.60	L-80	12,656.7	12,701.2	44.53	Casing Joints
4 1/2	11.60	L-80	12,701.2	12,702.6	1.42	LANDING COLLAR
4 1/2	11.60	L-80	12,702.6	12,703.6	0.98	Float Collar
4 1/2	11.60	L-80	12,703.6	12,792.5	88.88	Casing Joints
4 1/2			12,792.5	12,795.0	2.52	Shoe

Cement Stages

Des	Pump Start Date	Drill Out Date	Top (ftKB)	Btm (ftKB)	Top Meas Meth
Conductor Cement	11/15/2013		17.3	97.3	Returns to Surface
Surface Casing Cement	12/23/2013		17.3	1,651.1	RETURNS TO SURFACE
Intermediate Casing Cement	12/26/2013		17.3	6,179.0	Returns to Surface
Liner Cement	1/3/2014		5,043.0	12,795.0	Volume Calculations

Perforations

Type of Hole	Date	Top (ftKB)	Btm (ftKB)	Zone
Perforated Liner	3/17/2014	6,206.0	6,208.0	Niobrara, Original Hole
Perforated Liner	3/17/2014	6,244.0	6,246.0	Niobrara, Original Hole
Perforated Liner	3/17/2014	6,285.0	6,287.0	Niobrara, Original Hole
Perforated Liner	3/17/2014	6,367.0	6,369.0	Niobrara, Original Hole
Perforated Liner	3/17/2014	6,407.0	6,409.0	Niobrara, Original Hole
Perforated Liner	3/17/2014	6,444.0	6,446.0	Niobrara, Original Hole
Perforated Liner	3/17/2014	6,529.0	6,531.0	Niobrara, Original Hole
Perforated Liner	3/17/2014	6,570.0	6,572.0	Niobrara, Original Hole
Perforated Liner	3/17/2014	6,610.0	6,612.0	Niobrara, Original Hole
Perforated Liner	3/17/2014	6,692.0	6,694.0	Niobrara, Original Hole

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API Number	WPC ID	Well Permit Number	Field Name	County	State
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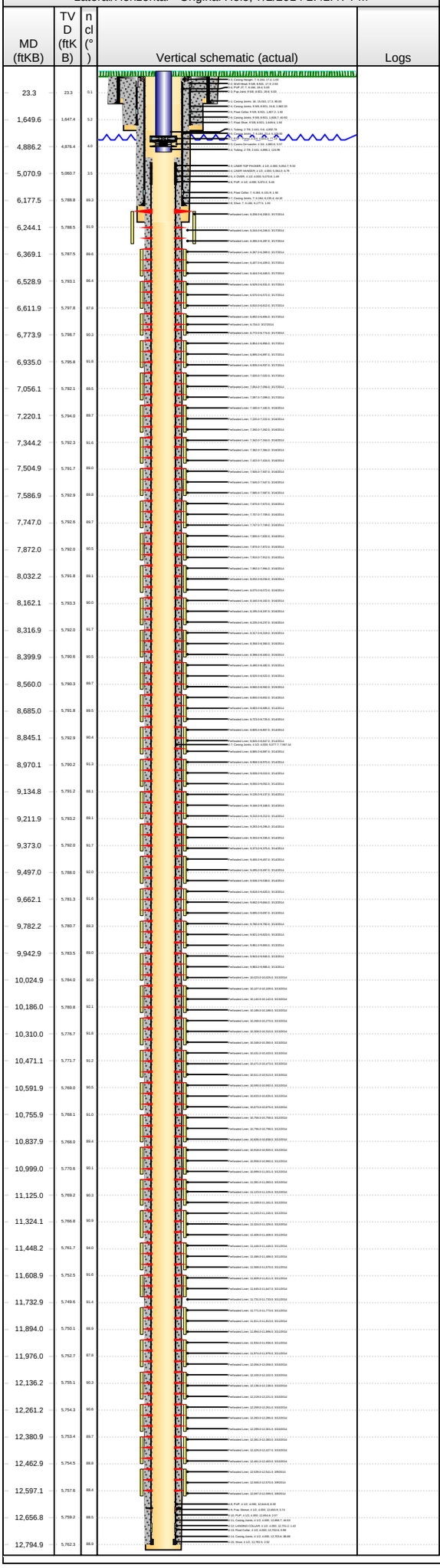
Lateral/Horizontal	4,861.30	4,844.00			12,805.0

Original Spud Date	Completion Date	Asset Group	Responsible Engineer	N/S Dist (ft)	N/S Ref	E/W Dist (ft)	E/W Ref
12/22/2013	3/17/2014	Redtail Asset Group	Andrew Fish	329.0	FNL	1,947.0	FWL

Lot	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Section	Section Suffix	Section Type	Township	Township N/S Dir	Range	Range E/W Dir	Meridian
	NE	NW			21			10	N	58	W	

Lateral/Horizontal - Original Hole, 7/2/2014 2:42:47 PM



Perforations

Type of Hole	Date	Top (ftKB)	Btm (ftKB)	Zone
Perforated Liner	3/17/2014	6,734.0	6,734.0	Niobrara, Original Hole
Perforated Liner	3/17/2014	6,772.0	6,774.0	Niobrara, Original Hole
Perforated Liner	3/17/2014	6,854.0	6,856.0	Niobrara, Original Hole
Perforated Liner	3/17/2014	6,895.0	6,897.0	Niobrara, Original Hole
Perforated Liner	3/17/2014	6,935.0	6,937.0	Niobrara, Original Hole
Perforated Liner	3/17/2014	7,020.0	7,022.0	Niobrara, Original Hole
Perforated Liner	3/17/2014	7,054.0	7,056.0	Niobrara, Original Hole
Perforated Liner	3/17/2014	7,097.0	7,099.0	Niobrara, Original Hole
Perforated Liner	3/16/2014	7,180.0	7,182.0	Niobrara, Original Hole
Perforated Liner	3/16/2014	7,220.0	7,222.0	Niobrara, Original Hole
Perforated Liner	3/16/2014	7,260.0	7,262.0	Niobrara, Original Hole
Perforated Liner	3/16/2014	7,342.0	7,344.0	Niobrara, Original Hole
Perforated Liner	3/16/2014	7,382.0	7,384.0	Niobrara, Original Hole
Perforated Liner	3/16/2014	7,422.0	7,424.0	Niobrara, Original Hole
Perforated Liner	3/16/2014	7,505.0	7,507.0	Niobrara, Original Hole
Perforated Liner	3/16/2014	7,545.0	7,547.0	Niobrara, Original Hole
Perforated Liner	3/16/2014	7,585.0	7,587.0	Niobrara, Original Hole
Perforated Liner	3/16/2014	7,670.0	7,672.0	Niobrara, Original Hole
Perforated Liner	3/16/2014	7,707.0	7,709.0	Niobrara, Original Hole
Perforated Liner	3/16/2014	7,747.0	7,749.0	Niobrara, Original Hole
Perforated Liner	3/16/2014	7,830.0	7,832.0	Niobrara, Original Hole
Perforated Liner	3/16/2014	7,870.0	7,872.0	Niobrara, Original Hole
Perforated Liner	3/16/2014	7,910.0	7,912.0	Niobrara, Original Hole
Perforated Liner	3/16/2014	7,992.0	7,994.0	Niobrara, Original Hole
Perforated Liner	3/16/2014	8,032.0	8,034.0	Niobrara, Original Hole
Perforated Liner	3/16/2014	8,070.0	8,072.0	Niobrara, Original Hole
Perforated Liner	3/16/2014	8,160.0	8,162.0	Niobrara, Original Hole
Perforated Liner	3/16/2014	8,195.0	8,197.0	Niobrara, Original Hole
Perforated Liner	3/16/2014	8,235.0	8,237.0	Niobrara, Original Hole
Perforated Liner	3/15/2014	8,317.0	8,319.0	Niobrara, Original Hole
Perforated Liner	3/15/2014	8,358.0	8,360.0	Niobrara, Original Hole
Perforated Liner	3/15/2014	8,398.0	8,400.0	Niobrara, Original Hole
Perforated Liner	3/15/2014	8,480.0	8,482.0	Niobrara, Original Hole
Perforated Liner	3/15/2014	8,520.0	8,522.0	Niobrara, Original Hole
Perforated Liner	3/15/2014	8,560.0	8,562.0	Niobrara, Original Hole
Perforated Liner	3/14/2014	8,650.0	8,652.0	Niobrara, Original Hole
Perforated Liner	3/14/2014	8,683.0	8,685.0	Niobrara, Original Hole
Perforated Liner	3/14/2014	8,723.0	8,725.0	Niobrara, Original Hole
Perforated Liner	3/14/2014	8,805.0	8,807.0	Niobrara, Original Hole

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Lease Review All CR

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API Number	WPC ID	Well Permit Number	Field Name	County	State
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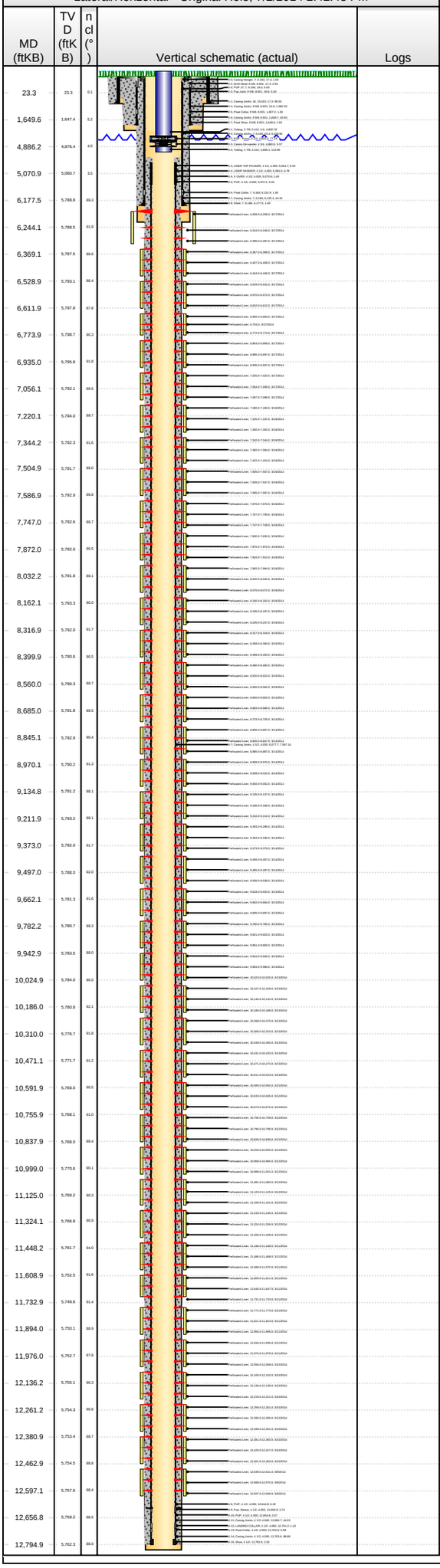
Well Configuration Type	Orig KB Elv (ft)	Ground Elevation (ft)	Casing Flange Elevation (ft)	Tubing Head Elevation (ft)	Total Depth (ftKB)
Lateral/Horizontal	4,861.30	4,844.00			12,805.0

Original Spud Date	Completion Date	Asset Group	Responsible Engineer	N/S Dist (ft)	N/S Ref	E/W Dist (ft)	E/W Ref
12/22/2013	3/17/2014	Redtail Asset Group	Andrew Fish	329.0	FNL	1,947.0	FWL

Lot	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Section	Section Suffix	Section Type	Township	Township N/S Dir	Range	Range E/W Dir	Meridian
	NE	NW			21			10	N	58	W	

Lateral/Horizontal - Original Hole, 7/2/2014 2:42:48 PM



Perforations

Type of Hole	Date	Top (ftKB)	Btm (ftKB)	Zone
Perforated Liner	3/14/2014	8,845.0	8,847.0	Niobrara, Original Hole
Perforated Liner	3/14/2014	8,885.0	8,887.0	Niobrara, Original Hole
Perforated Liner	3/14/2014	8,968.0	8,970.0	Niobrara, Original Hole
Perforated Liner	3/14/2014	9,008.0	9,010.0	Niobrara, Original Hole
Perforated Liner	3/14/2014	9,050.0	9,052.0	Niobrara, Original Hole
Perforated Liner	3/14/2014	9,135.0	9,137.0	Niobrara, Original Hole
Perforated Liner	3/14/2014	9,166.0	9,168.0	Niobrara, Original Hole
Perforated Liner	3/14/2014	9,210.0	9,212.0	Niobrara, Original Hole
Perforated Liner	3/14/2014	9,293.0	9,295.0	Niobrara, Original Hole
Perforated Liner	3/14/2014	9,333.0	9,335.0	Niobrara, Original Hole
Perforated Liner	3/14/2014	9,373.0	9,375.0	Niobrara, Original Hole
Perforated Liner	3/14/2014	9,455.0	9,457.0	Niobrara, Original Hole
Perforated Liner	3/14/2014	9,495.0	9,497.0	Niobrara, Original Hole
Perforated Liner	3/14/2014	9,536.0	9,538.0	Niobrara, Original Hole
Perforated Liner	3/13/2014	9,618.0	9,620.0	Niobrara, Original Hole
Perforated Liner	3/13/2014	9,662.0	9,664.0	Niobrara, Original Hole
Perforated Liner	3/13/2014	9,695.0	9,697.0	Niobrara, Original Hole
Perforated Liner	3/13/2014	9,780.0	9,782.0	Niobrara, Original Hole
Perforated Liner	3/13/2014	9,821.0	9,823.0	Niobrara, Original Hole
Perforated Liner	3/13/2014	9,861.0	9,863.0	Niobrara, Original Hole
Perforated Liner	3/13/2014	9,943.0	9,945.0	Niobrara, Original Hole
Perforated Liner	3/13/2014	9,983.0	9,985.0	Niobrara, Original Hole
Perforated Liner	3/13/2014	10,023.0	10,025.0	Niobrara, Original Hole
Perforated Liner	3/13/2014	10,107.0	10,109.0	Niobrara, Original Hole
Perforated Liner	3/13/2014	10,140.0	10,142.0	Niobrara, Original Hole
Perforated Liner	3/13/2014	10,186.0	10,188.0	Niobrara, Original Hole
Perforated Liner	3/13/2014	10,268.0	10,270.0	Niobrara, Original Hole
Perforated Liner	3/13/2014	10,308.0	10,310.0	Niobrara, Original Hole
Perforated Liner	3/13/2014	10,348.0	10,350.0	Niobrara, Original Hole
Perforated Liner	3/13/2014	10,431.0	10,433.0	Niobrara, Original Hole
Perforated Liner	3/13/2014	10,471.0	10,473.0	Niobrara, Original Hole
Perforated Liner	3/13/2014	10,511.0	10,513.0	Niobrara, Original Hole
Perforated Liner	3/12/2014	10,590.0	10,592.0	Niobrara, Original Hole
Perforated Liner	3/12/2014	10,633.0	10,635.0	Niobrara, Original Hole
Perforated Liner	3/12/2014	10,673.0	10,675.0	Niobrara, Original Hole
Perforated Liner	3/12/2014	10,756.0	10,758.0	Niobrara, Original Hole
Perforated Liner	3/12/2014	10,796.0	10,798.0	Niobrara, Original Hole
Perforated Liner	3/12/2014	10,836.0	10,838.0	Niobrara, Original Hole
Perforated Liner	3/12/2014	10,918.0	10,920.0	Niobrara, Original Hole

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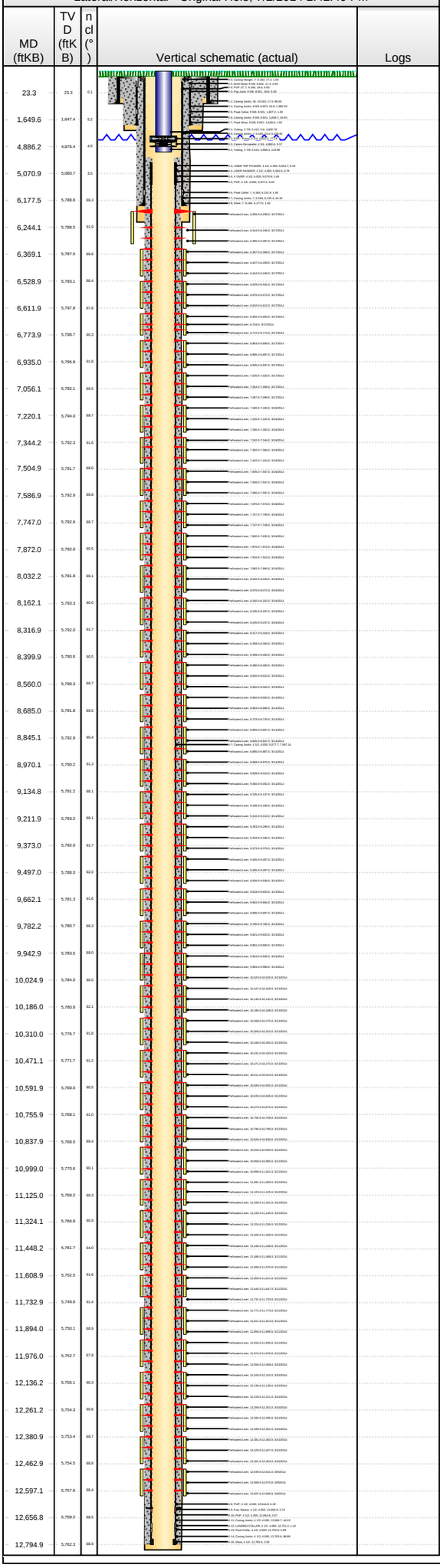
Original Spud Date	Completion Date	Asset Group	Responsible Engineer	N/S Dist (ft)	N/S Ref	E/W Dist (ft)	E/W Ref
12/22/2013	3/17/2014	Redtail Asset Group	Andrew Fish	329.0	FNL	1,947.0	FWL

Lot	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Section	Section Suffix	Section Type	Township	Township N/S Dir	Range	Range E/W Dir	Meridian
	NE	NW			21			10	N	58	W	

Lateral/Horizontal - Original Hole, 7/2/2014 2:42:49 PM



Perforations

Type of Hole	Date	Top (ftKB)	Btm (ftKB)	Zone
Perforated Liner	3/12/2014	10,958.0	10,960.0	Niobrara, Original Hole
Perforated Liner	3/12/2014	10,999.0	11,001.0	Niobrara, Original Hole
Perforated Liner	3/12/2014	11,081.0	11,083.0	Niobrara, Original Hole
Perforated Liner	3/12/2014	11,123.0	11,125.0	Niobrara, Original Hole
Perforated Liner	3/12/2014	11,159.0	11,161.0	Niobrara, Original Hole
Perforated Liner	3/12/2014	11,243.0	11,245.0	Niobrara, Original Hole
Perforated Liner	3/12/2014	11,324.0	11,326.0	Niobrara, Original Hole
Perforated Liner	3/11/2014	11,406.0	11,408.0	Niobrara, Original Hole
Perforated Liner	3/11/2014	11,446.0	11,448.0	Niobrara, Original Hole
Perforated Liner	3/11/2014	11,486.0	11,488.0	Niobrara, Original Hole
Perforated Liner	3/11/2014	11,568.0	11,570.0	Niobrara, Original Hole
Perforated Liner	3/11/2014	11,609.0	11,611.0	Niobrara, Original Hole
Perforated Liner	3/11/2014	11,645.0	11,647.0	Niobrara, Original Hole
Perforated Liner	3/11/2014	11,731.0	11,733.0	Niobrara, Original Hole
Perforated Liner	3/11/2014	11,771.0	11,773.0	Niobrara, Original Hole
Perforated Liner	3/11/2014	11,811.0	11,813.0	Niobrara, Original Hole
Perforated Liner	3/11/2014	11,894.0	11,896.0	Niobrara, Original Hole
Perforated Liner	3/11/2014	11,934.0	11,936.0	Niobrara, Original Hole
Perforated Liner	3/11/2014	11,974.0	11,976.0	Niobrara, Original Hole
Perforated Liner	3/10/2014	12,056.0	12,058.0	Niobrara, Original Hole
Perforated Liner	3/10/2014	12,100.0	12,102.0	Niobrara, Original Hole
Perforated Liner	3/10/2014	12,136.0	12,138.0	Niobrara, Original Hole
Perforated Liner	3/10/2014	12,219.0	12,221.0	Niobrara, Original Hole
Perforated Liner	3/10/2014	12,259.0	12,261.0	Niobrara, Original Hole
Perforated Liner	3/12/2014	12,283.0	12,285.0	Niobrara, Original Hole
Perforated Liner	3/10/2014	12,299.0	12,301.0	Niobrara, Original Hole
Perforated Liner	3/10/2014	12,381.0	12,383.0	Niobrara, Original Hole
Perforated Liner	3/10/2014	12,425.0	12,427.0	Niobrara, Original Hole
Perforated Liner	3/10/2014	12,461.0	12,463.0	Niobrara, Original Hole
Perforated Liner	3/9/2014	12,539.0	12,541.0	Niobrara, Original Hole
Perforated Liner	3/9/2014	12,568.0	12,570.0	Niobrara, Original Hole
Perforated Liner	3/9/2014	12,597.0	12,599.0	Niobrara, Original Hole

Stim/Treat Stages

Stage Type	Start Date	Top (ftKB)	Btm (ftKB)	Stim/Treat Fluid	Vol Clean Pump (bbl)
Frac	3/17/2014	6,206.0	6,287.0	40/70# 4938, 16/30# 101444, Slick Water	2835.00
Frac	3/17/2014	6,367.0	6,446.0	40/70# 2926, 16/30# 163608, Slick Water	3221.00
Frac	3/17/2014	6,529.0	6,612.0	40/70# 3576, 16/30# 130628, Slick Water	2882.00
Frac	3/17/2014	6,692.0	6,774.0	40/70# 2816, 16/30# 154797, Slick Water	3029.00
Frac	3/16/2014	6,854.0	6,937.0	40/70# 1709, 16/30# 156417, Slick Water	3036.00

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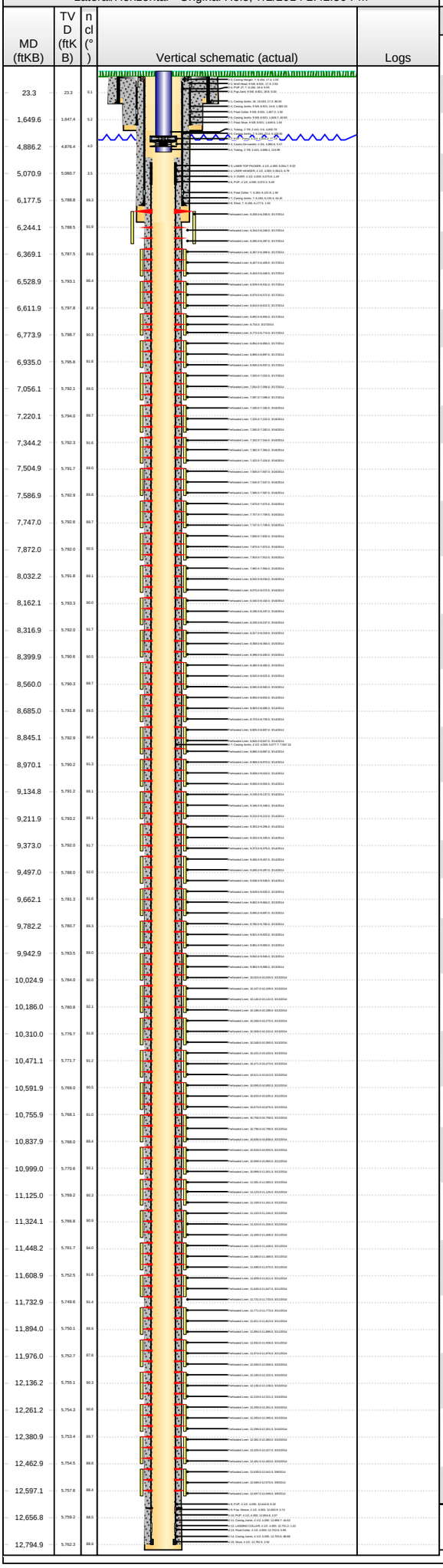
Lateral/Horizontal - Original Hole, 7/2/2014 2:42:50 PM



Stim/Treat Stages

Stage Type	Start Date	Top (ftKB)	Btm (ftKB)	Stim/Treat Fluid	Vol Clean Pump (bbl)
Frac	3/16/2014	7,020.0	7,099.0	40/70# 3631, 16/30# 155627, Slick Water	3048.00
Frac	3/16/2014	7,180.0	7,262.0	40/70# 4115, 16/30# 159881, Slick Water	3041.00
Frac	3/16/2014	7,342.0	7,424.0	40/70# 3483, 16/30# 120735, Slick Water	2838.00
Frac	3/16/2014	7,505.0	7,587.0	40/70# 3666, 16/30# 149799, Slick Water	3030.00
Frac	3/16/2014	7,670.0	7,749.0	40/70# 3354, 16/30# 151187, Slick Water	3162.00
Frac	3/16/2014	7,830.0	7,912.0	40/70# 2716, 16/30# 157654, Slick Water	2954.00
Frac	3/16/2014	7,992.0	8,072.0	40/70# 3689, 16/30# 136526, Slick Water	2955.00
Frac	3/15/2014	8,160.0	8,237.0	40/70# 4606, 16/30# 160928, Slick Water	3036.00
Frac	3/15/2014	8,317.0	8,400.0	40/70# 3607, 16/30# 159082, 15%HCl# 23bls, Slick Water	3139.00
Frac	3/15/2014	8,480.0	8,562.0	40/70# 2910, 16/30# 97207, 15%HCl# 26bls, Slick Water	2834.00
Frac	3/14/2014	8,650.0	8,725.0	40/70# 4361, 16/30# 149683, 15%HCl# 25bls, Slick Water	3106.00
Frac	3/14/2014	8,805.0	8,887.0	40/70# 2078, 16/30# 151852, 15%HCl# 22bls, Slick Water	3095.00
Frac	3/14/2014	8,968.0	9,052.0	40/70# 3211, 16/30# 156576, 15%HCl# 23bls, Slick Water	3114.00
Frac	3/14/2014	9,135.0	9,212.0	40/70# 3078, 16/30# 153054, 15%HCl# 24bls, Slick Water	3099.00
Frac	3/14/2014	9,293.0	9,375.0	40/70# 3623, 16/30# 142456, 15%HCl# 23bls, Slick Water	3108.00
Frac	3/14/2014	9,455.0	9,538.0	40/70# 2405, 16/30# 128992, 15%HCl# 23bls, Slick Water	2997.00
Frac	3/13/2014	9,618.0	9,697.0	40/70# 4631, 16/300# 151595, 15%HCl# 24bls, Slick Water	3117.00
Frac	3/13/2014	9,780.0	9,863.0	40/70# 3291, 16/30# 93158, 15%HCl# 24bls, Slick Water	2939.00
Frac	3/13/2014	9,943.0	10,025.0	40/70# 2988, 16/30# 153985, Slick Water	3075.00
Frac	3/13/2014	10,107.0	10,188.0	40/70# 2940, 16/30# 156855, 15%HCl# 22bls, Slick Water	2969.00
Frac	3/13/2014	10,268.0	10,350.0	40/70# 3099, 16/30# 158249, 15%HCl# 24bls, Slick Water	3130.00
Frac	3/12/2014	10,431.0	10,513.0	40/70# 3676, 16/30# 142777, 15%HCl# 26bls, Slick Water	3049.00
Frac	3/12/2014	10,590.0	10,675.0	40/70# 3217,16/30# 169166, 15%HCl# 25bls, Slick Water	3244.00
Frac	3/12/2014	10,756.0	10,838.0	40/70# 3892, 20/40# 153454, 15%HCl# 25bls, Slick Water	3166.00
Frac	3/12/2014	10,918.0	11,001.0	40/70# 3493, 16/30# 142476, 15%HCl# 20bls, Slick Water	3216.00
Frac	3/12/2014	11,081.0	11,161.0	40/70# 3699, 16/30# 145374, 15%HCl# 22bls, Slick Water	3098.00
Frac	3/12/2014	11,243.0	11,408.0	40/70# 3089, 16/30# 132844, 15%HCl# 21bls, Slick Water	3134.00
Frac	3/11/2014	11,446.0	11,570.0	40/70# 3202, 16/30# 153618, 15%HCl# 22bls, Slick Water	3122.00
Frac	3/11/2014	11,609.0	11,731.0	40/70# 2249, 16/30# 159086, 15%HCl# 24bls, Slick Water	2979.00
Frac	3/11/2014	11,771.0	11,896.0	40/70# 3249, 16/30# 85142, 15%HCl# 24bls, Slick Water	3081.00

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Lease Review All CR

Well Name: RAZOR 21C-2805A

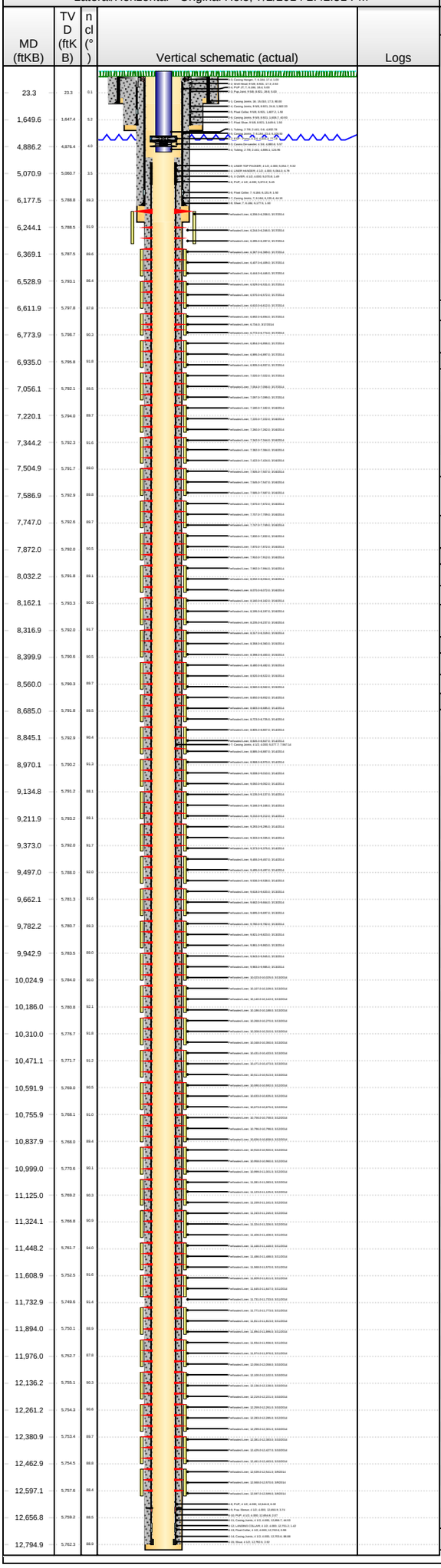
API Number	WPC ID	Well Permit Number	Field Name	County	State
051233783900	1CO076968	400441153	DJ Horizontal Niobrara	Weld	CO

Well Configuration Type	Orig KB Elv (ft)	Ground Elevation (ft)	Casing Flange Elevation (ft)	Tubing Head Elevation (ft)	Total Depth (ftKB)
Lateral/Horizontal	4,861.30	4,844.00			12,805.0

Original Spud Date	Completion Date	Asset Group	Responsible Engineer	N/S Dist (ft)	N/S Ref	E/W Dist (ft)	E/W Ref
12/22/2013	3/17/2014	Redtail Asset Group	Andrew Fish	329.0	FNL	1,947.0	FWL

Lot	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Section	Section Suffix	Section Type	Township	Township N/S Dir	Range	Range E/W Dir	Meridian
	NE	NW			21			10	N	58	W	

Lateral/Horizontal - Original Hole, 7/2/2014 2:42:51 PM



Stim/Treat Stages

Stage Type	Start Date	Top (ftKB)	Btm (ftKB)	Stim/Treat Fluid	Vol Clean Pump (bbl)
Frac	3/10/2014	11,934.0	12,058.0	40/70# 4735, 16/30# 156007, 15%HCl# 19bls, Slick Water	3166.00
Frac	3/10/2014	12,100.0	12,221.0	40/70# 4191, 16/30# 158722, 15%HCl# 22bls, Slick Water	3192.00
Frac	3/10/2014	12,259.0	12,301.0	40/70# 3586, 16/30# 93795, 15%HCl# 28bls, Slick Water	2753.00
Frac	3/10/2014	12,381.0	12,463.0	40/70# 4201, 16/30# 161897, 15%HCl# 21bls, Slick Water	3182.00
Frac	3/10/2014	12,539.0	12,599.0	40/70# 4345, 16/30# 154204, 15%HCl# 21bls, Slick Water	3106.00

Tubing - Production set at 5,011.1ftKB on 6/23/2014 09:00

Set Depth (ftKB)	Comment	Run Date	Pull Date
5,011.1		6/23/2014	

Item Des	OD (in)	ID (in)	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing	2 7/8	2.441	4,802.78	0.6	4,803.4
ESP - Pump	4 3/4		77.19	4,803.4	4,880.6
Cavins De-sander	4 3/4		5.57	4,880.6	4,886.1
Tubing	2 7/8	2.441	124.96	4,886.1	5,011.1
Bull Plug	2 7/8			5,011.1	5,011.1

Rod Strings

<des> on <dttmrun>

Rod Description	Run Date	Pull Date

Item Des	OD (in)	Len (ft)	Top (ftKB)	Btm (ftKB)

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	3/17/2014	3/22/2014	6,327.0	6,329.0
CFP	4	3/17/2014	3/23/2014	6,495.0	6,497.0
CFP	4	3/17/2014	3/23/2014	6,652.0	6,654.0
CFP	4	3/17/2014	3/23/2014	6,814.0	6,816.0
CFP	4	3/17/2014	3/23/2014	6,980.0	6,982.0
CFP	4	3/17/2014	3/23/2014	7,139.0	7,141.0
CFP	4	3/16/2014	3/23/2014	7,302.0	7,304.0
CFP	4	3/16/2014	3/23/2014	7,465.0	7,467.0
CFP	4	3/16/2014	3/23/2014	7,632.0	7,634.0
CFP	4	3/16/2014	3/23/2014	7,790.0	7,792.0
CFP	4	3/16/2014	3/23/2014	7,952.0	7,954.0
CFP	4	3/16/2014	3/23/2014	8,115.0	8,117.0
CFP	4	3/16/2014	3/23/2014	8,277.0	8,279.0
CFP	4	3/15/2014	3/23/2014	8,440.0	8,442.0
CFP	4	3/15/2014	3/23/2014	8,610.0	8,612.0
CFP	4	3/14/2014	3/23/2014	8,750.0	8,752.0
CFP	4	3/14/2014	3/23/2014	8,927.0	8,929.0
CFP	4	3/14/2014	3/23/2014	9,097.0	9,099.0
CFP	4	3/14/2014	3/23/2014	9,253.0	9,255.0
CFP	4	3/14/2014	3/23/2014	9,407.0	9,409.0
CFP	4	3/14/2014	3/23/2014	9,578.0	9,580.0
CFP	4	3/13/2014	3/23/2014	9,715.0	9,717.0
CFP	4	3/13/2014	3/23/2014	9,900.0	9,902.0
CFP	4	3/13/2014	3/23/2014	10,065.0	10,067.0
CFP	4	3/13/2014	3/23/2014	10,228.0	10,230.0
CFP	4	3/13/2014	3/23/2014	10,339.0	10,392.0
CFP	4	3/13/2014	3/23/2014	10,553.0	10,555.0
CFP	4	3/12/2014	3/23/2014	10,716.0	10,718.0
CFP	4	3/12/2014	3/23/2014	10,878.0	10,880.0
CFP	4	3/12/2014	3/23/2014	11,041.0	11,043.0
CFP	4	3/12/2014	3/23/2014	11,203.0	11,205.0
CFP	4	3/12/2014	3/23/2014	11,366.0	11,368.0
CFP	4	3/11/2014	3/23/2014	11,528.0	11,530.0
CFP	4	3/11/2014	3/23/2014	11,688.0	11,690.0
CFP	4	3/11/2014	3/24/2014	11,853.0	11,855.0
CFP	4	3/11/2014	3/24/2014	12,016.0	12,018.0
CFP	4	3/10/2014	3/24/2014	12,178.0	12,180.0
CFP	4	3/10/2014	3/24/2014	12,341.0	12,343.0

Report Printed: 7/2/2014

Lease Review All CR

Well Name: RAZOR 21C-2805A

API Number	WPC ID	Well Permit Number	Field Name	County	State
051233783900	1CO076968	400441153	DJ Horizontal Niobrara	Weld	CO

Well Configuration Type	Orig KB Elv (ft)	Ground Elevation (ft)	Casing Flange Elevation (ft)	Tubing Head Elevation (ft)	Total Depth (ftKB)
Lateral/Horizontal	4,861.30	4,844.00			12,805.0

Original Spud Date	Completion Date	Asset Group	Responsible Engineer	N/S Dist (ft)	N/S Ref	E/W Dist (ft)	E/W Ref
12/22/2013	3/17/2014	Redtail Asset Group	Andrew Fish	329.0	FNL	1,947.0	FWL

Lot	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Section	Section Suffix	Section Type	Township	Township N/S Dir	Range	Range E/W Dir	Meridian
	NE	NW			21			10	N	58	W	

Lateral/Horizontal - Original Hole, 7/2/2014 2:42:53 PM

MD (ftKB)	TVD (ftKB)	ncl (°)	Vertical schematic (actual)	Logs
23.3	23.3	0.1		
1,649.6	1,647.4	5.2		
4,886.2	4,876.4	4.0		
5,070.9	5,060.7	3.5		
6,177.5	5,788.8	89.3		
6,244.1	5,788.5	91.0		
6,369.1	5,787.5	89.6		
6,528.9	5,793.1	88.4		
6,611.9	5,797.8	87.8		
6,773.9	5,796.7	90.3		
6,935.0	5,795.8	91.8		
7,056.1	5,792.1	89.5		
7,220.1	5,794.0	89.7		
7,344.2	5,792.3	91.6		
7,504.9	5,791.7	89.0		
7,586.9	5,792.9	89.8		
7,747.0	5,792.6	89.7		
7,872.0	5,792.0	90.5		
8,032.2	5,791.8	89.1		
8,162.1	5,793.3	90.0		
8,316.9	5,792.0	91.7		
8,399.9	5,790.6	90.5		
8,560.0	5,790.3	89.7		
8,685.0	5,791.8	89.5		
8,845.1	5,792.9	90.4		
8,970.1	5,790.2	91.3		
9,134.8	5,791.2	88.1		
9,211.9	5,793.2	89.1		
9,373.0	5,792.0	91.7		
9,497.0	5,788.0	92.0		
9,662.1	5,781.3	91.6		
9,782.2	5,780.7	89.3		
9,942.9	5,783.5	89.0		
10,024.9	5,784.0	90.0		
10,186.0	5,780.8	92.1		
10,310.0	5,776.7	91.8		
10,471.1	5,771.7	91.2		
10,591.9	5,769.0	90.5		
10,755.9	5,768.1	91.0		
10,837.9	5,768.0	89.4		
10,999.0	5,770.6	90.1		
11,125.0	5,769.2	90.3		
11,324.1	5,766.8	90.9		
11,448.2	5,761.7	94.0		
11,608.9	5,752.5	91.6		
11,732.9	5,749.6	91.4		
11,894.0	5,750.1	88.9		
11,976.0	5,752.7	87.6		
12,136.2	5,755.1	90.2		
12,261.2	5,754.3	90.6		
12,380.9	5,753.4	89.7		
12,462.9	5,754.5	88.8		
12,597.1	5,757.6	88.4		
12,656.8	5,758.2	88.5		
12,794.9	5,762.3	88.9		

Other In Hole

Des	OD (in)	Run Date	Pull Date	Top (ftKB)	Btm (ftKB)
CFP	4	3/10/2014	3/24/2014	12,504.0	12,506.0
CFP	4	3/9/2014	3/24/2014	12,616.0	12,618.0

Bottom Hole Cores

Date	Core #	Top (ftKB)	Btm (ftKB)	Recov (ft)

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