

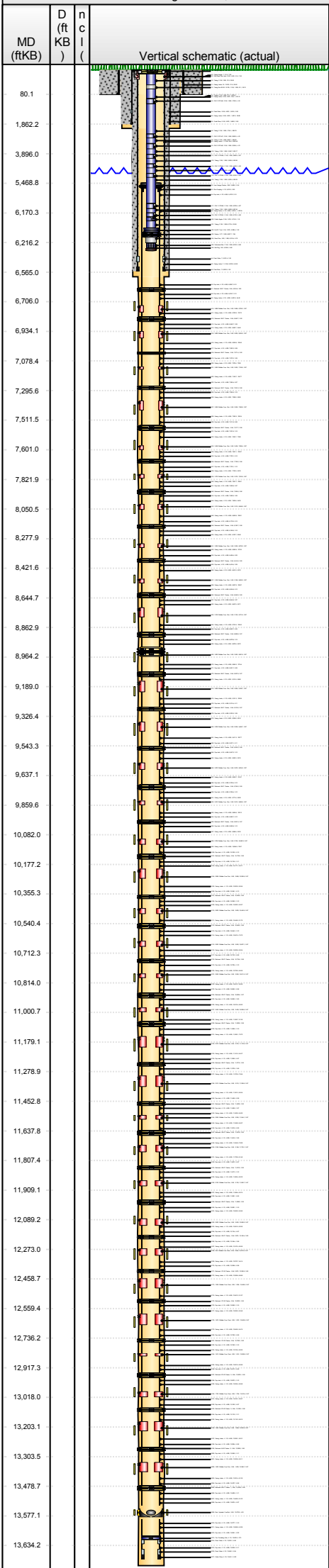


Lease Review

Well Name: RAZOR 11F-0205A

API Number 051233870100		WPC ID 1CO0761171			Well Permit Number			Field Name DJ Horizontal Niobrara			County Weld		State CO		
Well Configuration Type Lateral/Horizontal				Orig KB Elv (ft) 5,013.00		Ground Elevation (ft) 4,992.00		Casing Flange Elevation (ft)		Tubing Head Elevation (ft)		Total Depth (ftKB) 13,662.0			
Original Spud Date 2/18/2015		Completion Date 4/20/2015		Asset Group Redtail			Responsible Engineer Charles Ohlson			N/S Dist (ft) 2,320.0		N/S Ref FNL	E/W Dist (ft) 1,906.0		E/W Ref FWL
Lot	Quarter 1 SE	Quarter 2 NW	Quarter 3	Quarter 4	Section 11	Section Suffix	Section Type	Township 10	Township N/S Dir N	Range 58	Range E/W Dir W	Meridian			

Lateral/Horizontal - Original Hole, 8/31/2015 10:54:07 AM



Wellbore Sections

Wellbore Name		Start Date	Size (in)	Act Top (ftKB)	Act Btm (ftKB)
Original Hole		12/17/2014	24	21.0	80.0
Original Hole		2/18/2015	13 1/2	80.0	1,882.0
Original Hole		2/19/2015	8 3/4	1,882.0	6,585.0
Original Hole		2/23/2015	6 1/8	6,585.0	13,662.0

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, 1,862.2ftKB

OD (in)	Wt (lb/ft)	Grade	Top (ftKB)	Btm (ftKB)	Len (ft)	Item Des
9 5/8	36.00	J-55	21.0	21.0	0.00	Landing Joint
9 5/8	36.00	J-55	21.0	28.0	7.00	Well Head Pup Joint
9 5/8	36.00	J-55	28.0	1,819.3	1,791.31	Casing Joints
9 5/8	36.00	j-55	1,819.3	1,821.3	2.00	Float Collar
9 5/8	36.00	J-55	1,821.3	1,860.2	38.89	Casing Joints
9 5/8	36.00	J-55	1,860.2	1,862.2	2.00	Guide Shoe

Frac String, 5,460.8ftKB

OD (in)	Wt (lb/ft)	Grade	Top (ftKB)	Btm (ftKB)	Len (ft)	Item Des
5			21.0	21.9	0.90	Casing Hanger
4 1/2	11.60	P-110	21.9	66.1	44.23	Casing Joints
4 1/2	11.60	P-110	66.1	104.2	38.04	Casing Sub
4 1/2	11.60	P-110	104.2	5,459.2	5,355.05	Casing Joints
4 3/4			5,459.2	5,460.8	1.58	Tieback Seal Nipple w/ Anchor Latch

Intermediate Csg, 6,565.0ftKB

OD (in)	Wt (lb/ft)	Grade	Top (ftKB)	Btm (ftKB)	Len (ft)	Item Des
7			21.0	21.0	0.00	Landing Joint
7			21.0	28.0	7.00	Casing Hanger
7	29.00	HCL-80	28.0	6,521.5	6,493.45	Casing Joints
7			6,521.5	6,523.0	1.50	Float Collar
7	29.00	HCL-80	6,523.0	6,563.5	40.55	Casing Joints
7			6,563.5	6,565.0	1.50	Float Shoe

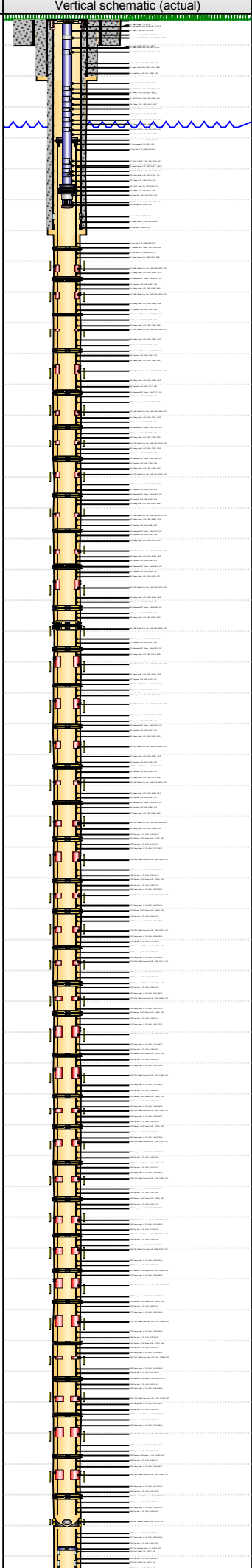
Liner, 13,642.0ftKB

OD (in)	Wt (lb/ft)	Grade	Top (ftKB)	Btm (ftKB)	Len (ft)	Item Des
4 1/2	11.60	HCP-110	5,469.0	5,469.0	0.00	Casing Joints
5.85			5,469.0	5,474.3	5.34	Liner Hanger Packer
4 1/2			5,474.3	5,475.2	0.93	Btm Coupling
4 1/2	11.60	HCP-110	5,475.2	5,478.3	3.10	Pup Joint
4 1/2	11.60	HCP-110	5,478.3	6,608.7	1,130.34	Casing Joints
4 1/2	11.60	HCP-110	6,608.7	6,614.8	6.12	Pup Joint
5.84			6,614.8	6,618.8	3.95	Rockseal H2-HT Packer
4 1/2	11.60	HCP-110	6,618.8	6,621.9	3.12	Pup Joint
4 1/2	11.60	HCP-110	6,621.9	6,706.3	84.42	Casing Joints
5.65			6,706.3	6,709.0	2.67	3.688 Drillable Frac Port
4 1/2	11.60	HCP-110	6,709.0	6,842.7	133.75	Casing Joints
5.84			6,842.7	6,846.7	3.95	Rockseal H2-HT Packer
4 1/2	11.60	HCP-110	6,846.7	6,849.8	3.09	Pup Joint
4 1/2	11.60	HCP-110	6,849.8	6,934.2	84.40	Casing Joints
5.65			6,934.2	6,936.8	2.67	3.625 Drillable Frac Port
4 1/2	11.60	HCP-110	6,936.8	7,065.3	128.46	Casing Joints
4 1/2	11.60	HCP-110	7,065.3	7,071.4	6.08	Pup Joint
5.84			7,071.4	7,075.3	3.95	Rockseal H2-HT Packer
4 1/2	11.60	HCP-110	7,075.3	7,078.4	3.09	Pup Joint
4 1/2	11.60	HCP-110	7,078.4	7,158.0	79.58	Casing Joints
5.65			7,158.0	7,160.7	2.67	3.563 Drillable Frac Port
4 1/2	11.60	HCP-110	7,160.7	7,285.4	124.77	Casing Joints
4 1/2	11.60	HCP-110	7,285.4	7,291.5	6.07	Pup Joint
5.84			7,291.5	7,295.5	3.96	Rockseal H2-HT Packer
4 1/2	11.60	HCP-110	7,295.5	7,298.6	3.10	Pup Joint



Lease Review

Well Name: RAZOR 11F-0205A

WPI Number 051233870100				WPC ID 1CO0761171				Well Permit Number				Field Name DJ Horizontal Niobrara				County Weld		State CO														
Well Configuration Type Lateral/Horizontal						Orig KB Elv (ft) 5,013.00		Ground Elevation (ft) 4,992.00				Casing Flange Elevation (ft)				Tubing Head Elevation (ft)		Total Depth (ftKB) 13,662.0														
Original Spud Date 2/18/2015				Completion Date 4/20/2015		Asset Group Redtail				Responsible Engineer Charles Ohlson				N/S Dist (ft) 2,320.0		N/S Ref FNL		E/W Dist (ft) 1,906.0		E/W Ref FWL												
Lot		Quarter 1 SE		Quarter 2 NW		Quarter 3		Quarter 4		Section 11		Section Suffix		Section Type		Township 10		Township N/S Dir N		Range 58		Range E/W Dir W		Meridian								
Lateral/Horizontal - Original Hole, 8/31/2015 10:54:08 AM												OD (in)	Wt (lb/ft)	Grade	Top (ftKB)	Btm (ftKB)	Len (ft)	Item Des														
MD (ftKB)	D (ft KB)	n c l (Vertical schematic (actual)									Logs	4 1/2	11.60	HCP-110	7,298.6	7,380.6	82.05	Casing Joints													
													5.65			7,380.6	7,383.3	2.67	3.500 Drillable Frac Port													
80.1															7,383.3	7,511.6	128.34	Casing Joints														
1,862.2												4 1/2	11.60	HCP-110	7,511.6	7,517.7	6.06	Pup Joint														
3,896.0												5.84			7,517.7	7,521.6	3.96	Rockseal H2-HT Packer														
5,468.8												4 1/2	11.60	HCP-110	7,521.6	7,524.7	3.10	Pup Joint														
6,170.3												4 1/2	11.60	HCP-110	7,524.7	7,598.4	73.69	Casing Joints														
6,216.2												5.65			7,598.4	7,601.1	2.67	3.438 Drillable Frac Port														
6,565.0												4 1/2	11.60	HCP-110	7,601.1	7,722.1	120.97	Casing Joints														
6,706.0												4 1/2	11.60	HCP-110	7,722.1	7,728.2	6.10	Pup Joint														
6,934.1												5.84			7,728.2	7,732.1	3.96	Rockseal H2-HT Packer														
7,078.4												4 1/2	11.60	HCP-110	7,732.1	7,735.2	3.12	Pup Joint														
7,295.6												4 1/2	11.60	HCP-110	7,735.2	7,819.0	83.79	Casing Joints														
7,511.5												5.65			7,819.0	7,821.7	2.67	3.375 Drillable Frac Port														
7,601.0												4 1/2	11.60	HCP-110	7,821.7	7,950.6	128.91	Casing Joints														
7,821.9												4 1/2	11.60	HCP-110	7,950.6	7,956.6	5.97	Pup Joint														
8,050.5												5.84			7,956.6	7,960.5	3.96	Rockseal H2-HT Packer														
8,277.9												4 1/2	11.60	HCP-110	7,960.5	7,963.6	3.09	Pup Joint														
8,421.6												4 1/2	11.60	HCP-110	7,963.6	8,048.0	84.33	Casing Joints														
8,644.7												5.65			8,048.0	8,050.6	2.67	3.313 Drillable Frac Port														
8,862.9												4 1/2	11.60	HCP-110	8,050.6	8,179.5	128.91	Casing Joints														
8,964.2												4 1/2	11.60	HCP-110	8,179.5	8,185.7	6.15	Pup Joint														
9,189.0												5.84			8,185.7	8,189.7	3.96	Rockseal H2-HT Packer														
9,326.4												4 1/2	11.60	HCP-110	8,189.7	8,192.8	3.10	Pup Joint														
9,543.3												4 1/2	11.60	HCP-110	8,192.8	8,278.2	85.48	Casing Joints														
9,637.1												5.65			8,278.2	8,280.9	2.67	3.250 Drillable Frac Port														
9,859.6												4 1/2	11.60	HCP-110	8,280.9	8,408.5	127.55	Casing Joints														
10,082.0												4 1/2	11.60	HCP-110	8,408.5	8,414.5	6.05	Pup Joint														
10,177.2												5.84			8,414.5	8,418.5	3.95	Rockseal H2-HT Packer														
10,355.3												4 1/2	11.60	HCP-110	8,418.5	8,421.5	3.09	Pup Joint														
10,540.4												4 1/2	11.60	HCP-110	8,421.5	8,505.2	83.70	Casing Joints														
10,712.3												5.65			8,505.2	8,507.9	2.67	3.188 Drillable Frac Port														
10,814.0												4 1/2	11.60	HCP-110	8,507.9	8,634.8	126.87	Casing Joints														
11,000.7												4 1/2	11.60	HCP-110	8,634.8	8,640.9	6.12	Pup Joint														
11,179.1												5.84			8,640.9	8,644.9	3.95	Rockseal H2-HT Packer														
11,278.9												4 1/2	11.60	HCP-110	8,644.9	8,647.9	3.07	Pup Joint														
11,452.8												4 1/2	11.60	HCP-110	8,647.9	8,731.6	83.71	Casing Joints														
11,637.8												5.65			8,731.6	8,734.3	2.67	3.125 Drillable Frac Port														
11,807.4												4 1/2	11.60	HCP-110	8,734.3	8,862.8	128.45	Casing Joints														
11,909.1												4 1/2	11.60	HCP-110	8,862.8	8,868.8	6.09	Pup Joint														
12,089.2												5.84			8,868.8	8,872.8	3.97	Rockseal H2-HT Packer														
12,273.0												4 1/2	11.60	HCP-110	8,872.8	8,875.9	3.10	Pup Joint														
12,458.7												4 1/2	11.60	HCP-110	8,875.9	8,961.6	85.72	Casing Joints														
12,559.4												5.65			8,961.6	8,964.3	2.67	3.063 Drillable Frac Port														
12,736.2												4 1/2	11.60	HCP-110	8,964.3	9,091.7	127.44	Casing Joints														
12,917.3												4 1/2	11.60	HCP-110	9,091.7	9,097.8	6.09	Pup Joint														
13,018.0																																
13,203.1																																
13,303.5																																
13,478.7																																
13,577.1																																
13,634.2																																



Lease Review
Well Name: RAZOR 11F-0205A

API Number 051233870100				WPC ID 1CO0761171				Well Permit Number				Field Name DJ Horizontal Niobrara				County Weld		State CO							
Well Configuration Type Lateral/Horizontal						Orig KB Elv (ft) 5,013.00		Ground Elevation (ft) 4,992.00				Casing Flange Elevation (ft)				Tubing Head Elevation (ft)		Total Depth (ftKB) 13,662.0							
Original Spud Date 2/18/2015				Completion Date 4/20/2015		Asset Group Redtail				Responsible Engineer Charles Ohlson				N/S Dist (ft) 2,320.0		N/S Ref FNL		E/W Dist (ft) 1,906.0		E/W Ref FWL					
Lot		Quarter 1 SE		Quarter 2 NW		Quarter 3		Quarter 4		Section 11		Section Suffix		Section Type		Township 10		Township N/S Dir N		Range 58		Range E/W Dir W		Meridian	
Lateral/Horizontal - Original Hole, 8/31/2015 10:54:09 AM												OD (in)	Wt (lb/ft)	Grade	Top (ftKB)	Btm (ftKB)	Len (ft)	Item Des							
MD (ftKB)	D (ft KB)	n ()	c ()	l ()	Vertical schematic (actual)	Logs	5.84			9,097.8	9,101.8	3.97	Rockseal H2-HT Packer												
							4 1/2	11.60	HCP-110	9,101.8	9,188.7	86.86	Casing Joints												
80.1							5.65			9,188.7	9,191.3	2.67	3.000 Drillable Frac Port												
1,862.2							4 1/2	11.60	HCP-110	9,191.3	9,313.4	122.08	Casing Joints												
3,896.0							4 1/2	11.60	HCP-110	9,313.4	9,319.5	6.11	Pup Joint												
5,468.8							5.84			9,319.5	9,323.5	3.97	Rockseal H2-HT Packer												
6,170.3							4 1/2	11.60	HCP-110	9,323.5	9,326.6	3.09	Pup Joint												
6,216.2							4 1/2	11.60	HCP-110	9,326.6	9,408.7	82.10	Casing Joints												
6,565.0							5.65			9,408.7	9,411.4	2.67	2.938 Drillable Frac Port												
6,706.0							4 1/2	11.60	HCP-110	9,411.4	9,537.1	125.77	Casing Joints												
6,934.1							4 1/2	11.60	HCP-110	9,537.1	9,543.2	6.11	Pup Joint												
7,078.4							5.84			9,543.2	9,547.2	3.96	Rockseal H2-HT Packer												
7,295.6							4 1/2	11.60	HCP-110	9,547.2	9,550.3	3.12	Pup Joint												
7,511.5							4 1/2	11.60	HCP-110	9,550.3	9,634.1	83.74	Casing Joints												
7,601.0							5.65			9,634.1	9,636.7	2.67	2.875 Drillable Frac Port												
7,821.9							4 1/2	11.60	HCP-110	9,636.7	9,758.4	121.67	Casing Joints												
8,050.5							4 1/2	11.60	HCP-110	9,758.4	9,764.5	6.10	Pup Joint												
8,277.9							5.84			9,764.5	9,768.4	3.95	Rockseal H2-HT Packer												
8,421.6							4 1/2	11.60	HCP-110	9,768.4	9,771.6	3.12	Pup Joint												
8,644.7							4 1/2	11.60	HCP-110	9,771.6	9,856.9	85.36	Casing Joints												
8,862.9							5.65			9,856.9	9,859.6	2.67	2.813 Drillable Frac Port												
8,964.2							4 1/2	11.60	HCP-110	9,859.6	9,985.7	126.15	Casing Joints												
9,189.0							4 1/2	11.60	HCP-110	9,985.7	9,991.9	6.12	Pup Joint												
9,326.4							5.84			9,991.9	9,995.8	3.97	Rockseal H2-HT Packer												
9,543.3							4 1/2	11.60	HCP-110	9,995.8	9,999.0	3.12	Pup Joint												
9,637.1							4 1/2	11.60	HCP-110	9,999.0	10,082.3	83.33	Casing Joints												
9,859.6							5.65			10,082.3	10,085.0	2.67	2.750 Drillable Frac Port												
10,082.0							4 1/2	11.60	HCP-110	10,085.0	10,163.9	78.97	Casing Joints												
10,177.2							4 1/2	11.60	HCP-110	10,163.9	10,170.0	6.10	Pup Joint												
10,355.3							5.84			10,170.0	10,174.0	3.96	Rockseal H2-HT Packer												
10,540.4							4 1/2	11.60	HCP-110	10,174.0	10,177.1	3.11	Pup Joint												
10,712.3							4 1/2	11.60	HCP-110	10,177.1	10,260.8	83.71	Casing Joints												
10,814.0							5.65			10,260.8	10,263.5	2.67	2.688 Drillable Frac Port												
11,000.7							4 1/2	11.60	HCP-110	10,263.5	10,349.1	85.64	Casing Joints												
11,179.1							4 1/2	11.60	HCP-110	10,349.1	10,355.2	6.13	Pup Joint												
11,278.9							5.84			10,355.2	10,359.2	3.95	Rockseal H2-HT Packer												
11,452.8							4 1/2	11.60	HCP-110	10,359.2	10,362.3	3.12	Pup Joint												
11,637.8							4 1/2	11.60	HCP-110	10,362.3	10,445.9	83.57	Casing Joints												
11,807.4							5.65			10,445.9	10,448.6	2.67	2.625 Drillable Frac Port												
11,909.1							4 1/2	11.60	HCP-110	10,448.6	10,540.3	91.79	Casing Joints												
12,089.2							5.84			10,540.3	10,544.3	3.96	Rockseal H2-HT Packer												
12,273.0							4 1/2	11.60	HCP-110	10,544.3	10,547.4	3.12	Pup Joint												
12,458.7							4 1/2	11.60	HCP-110	10,547.4	10,627.1	79.72	Casing Joints												
12,559.4							5.65			10,627.1	10,629.8	2.67	2.563 Drillable Frac Port												
12,736.2							4 1/2	11.60	HCP-110	10,629.8	10,712.4	82.54	Casing Joints												
12,917.3							4 1/2	11.60	HCP-110	10,712.4	10,718.4	6.09	Pup Joint												
13,018.0							5.84			10,718.4	10,722.4	3.96	Rockseal H2-HT Packer												
13,203.1																									
13,303.5																									
13,478.7																									
13,577.1																									
13,634.2																									



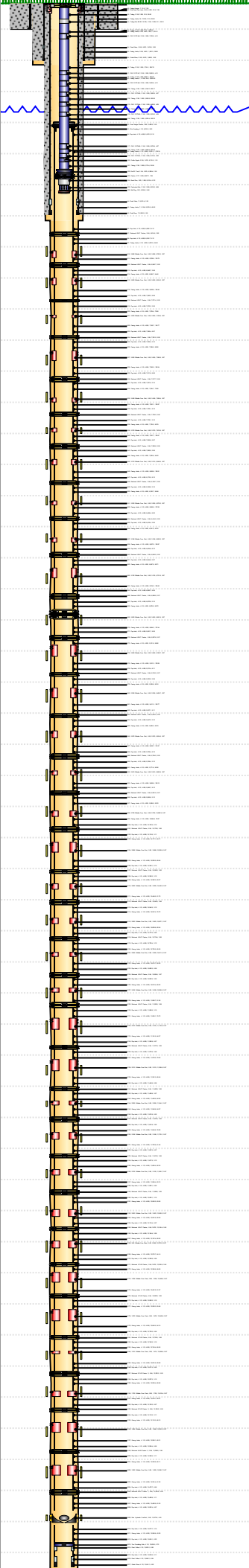
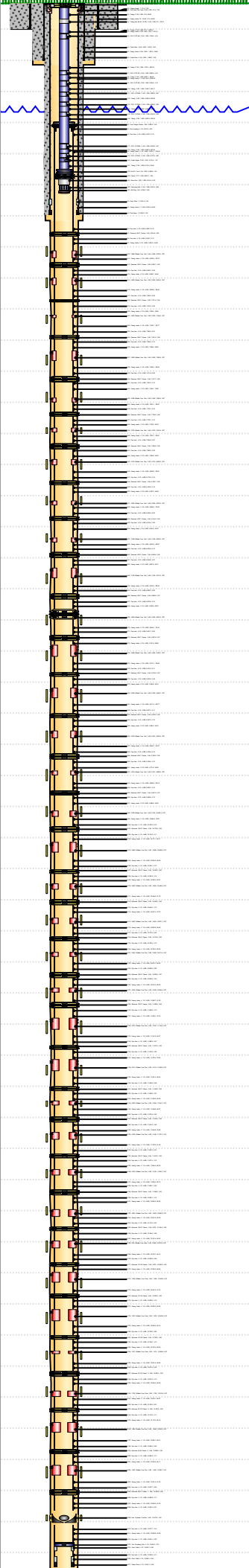
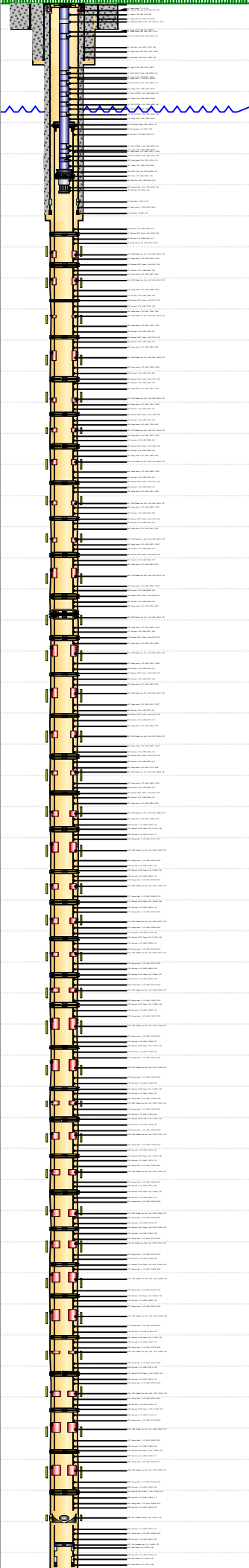
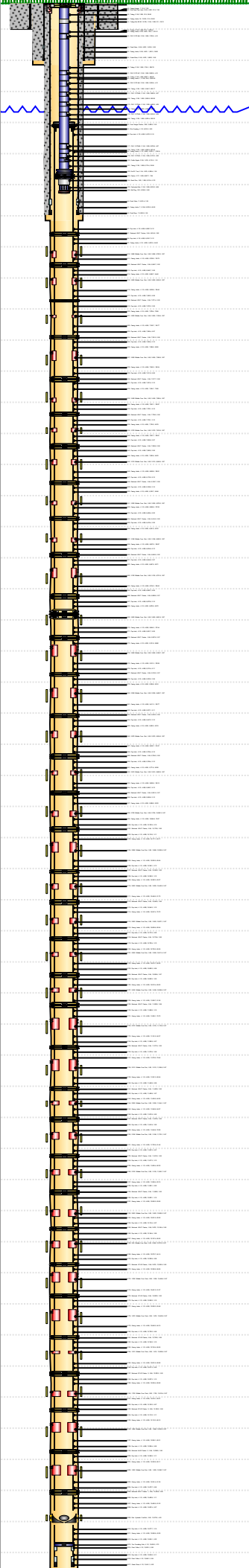
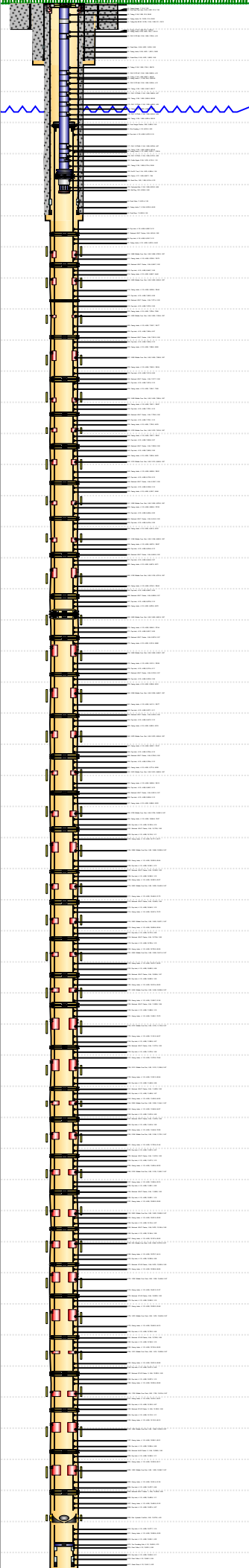
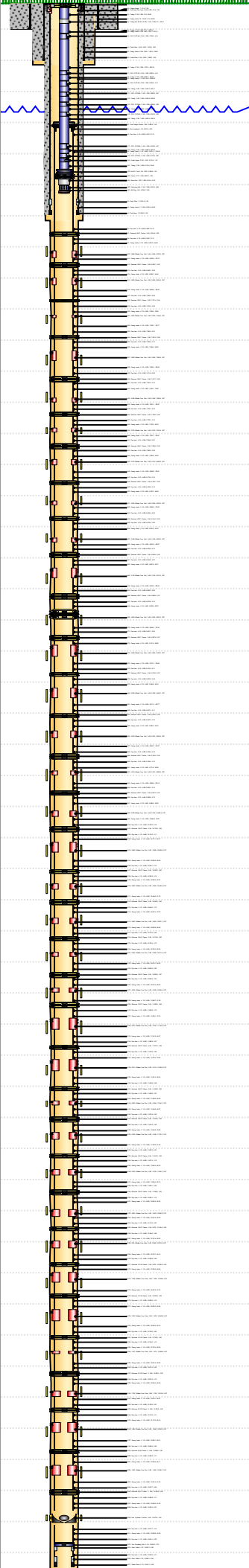
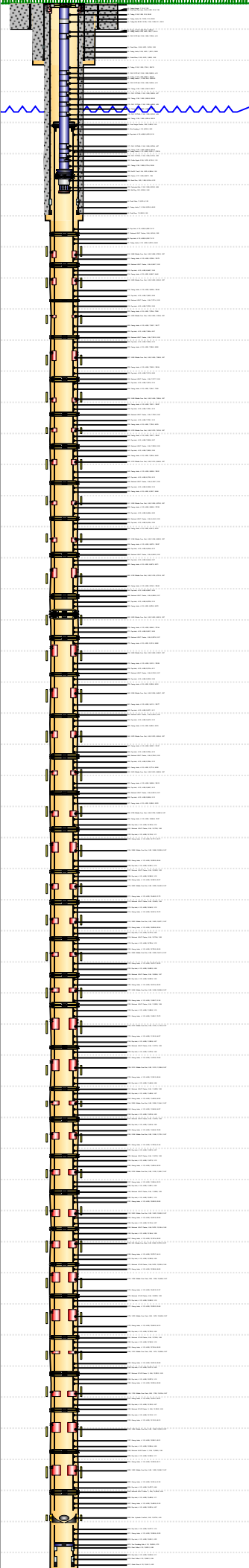
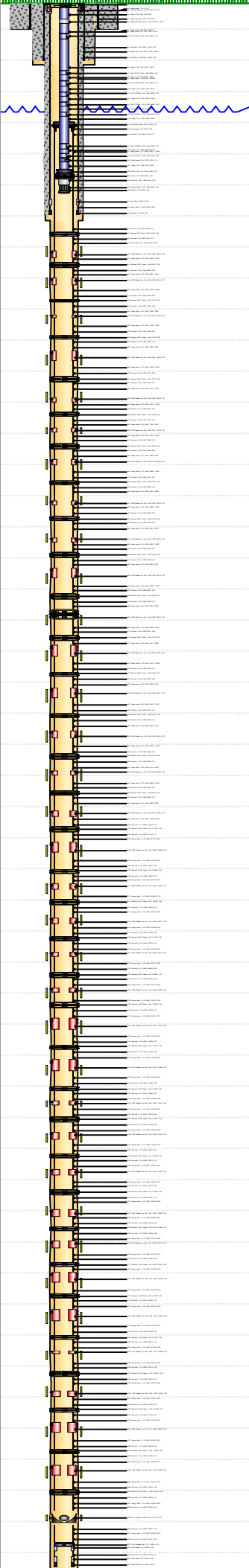
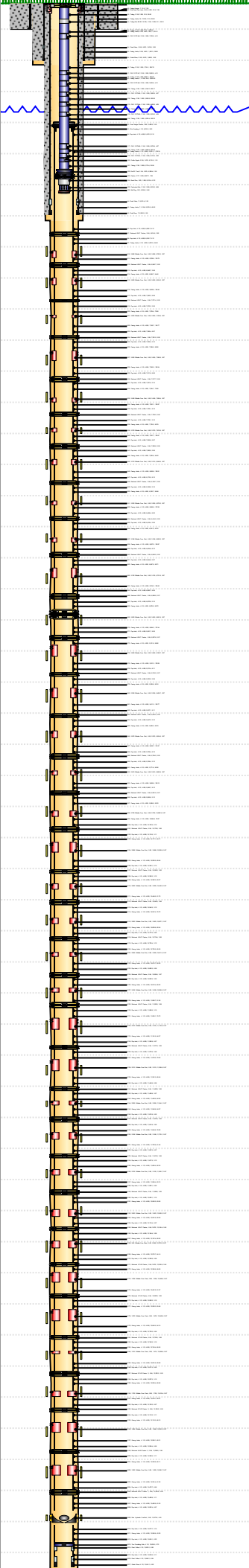
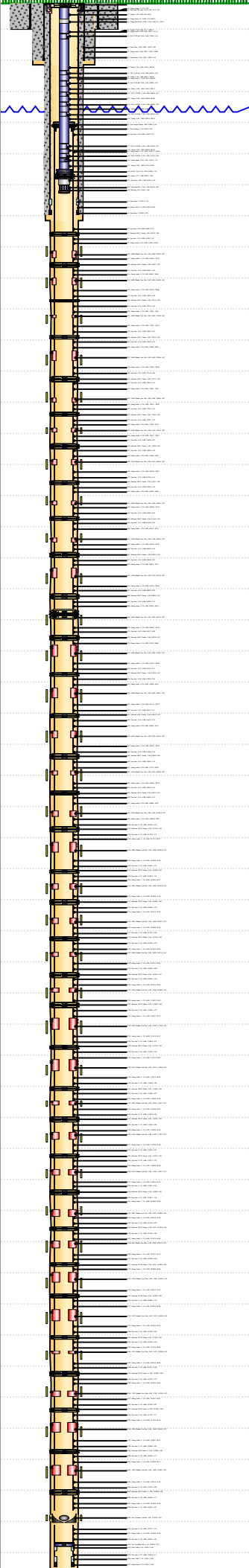
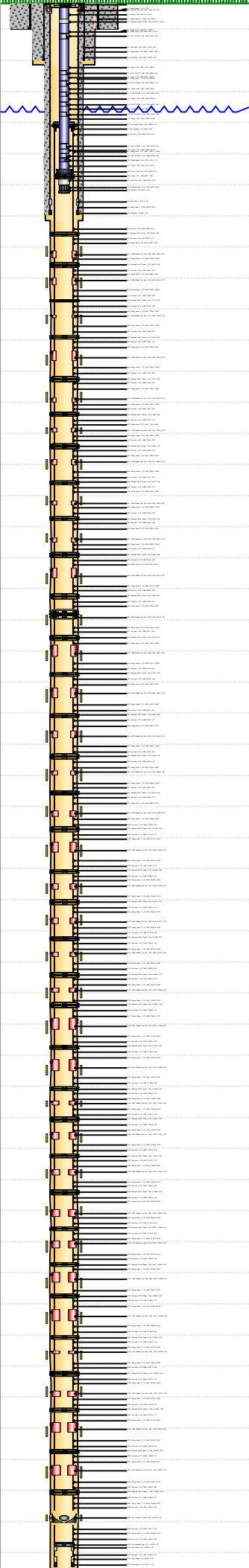
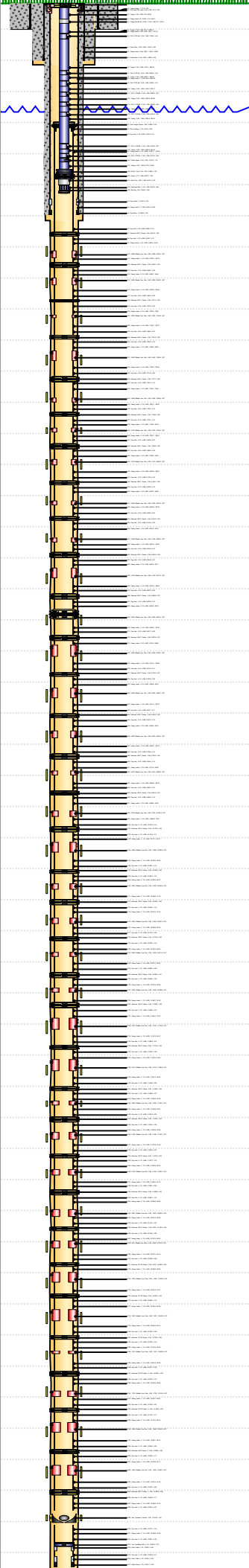
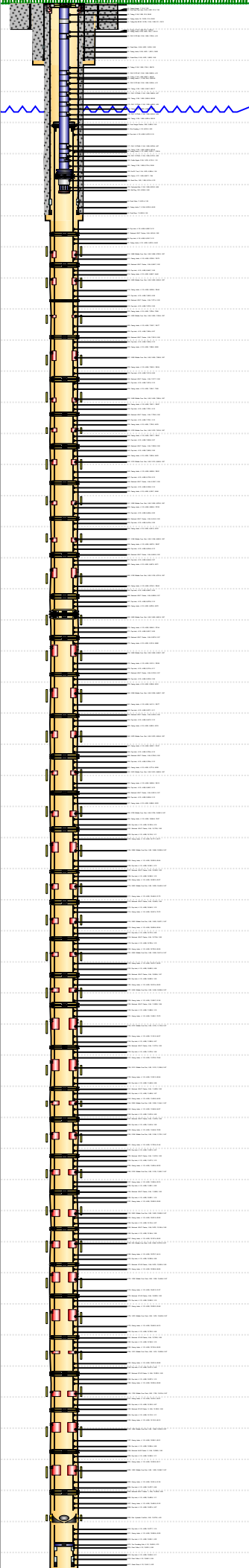
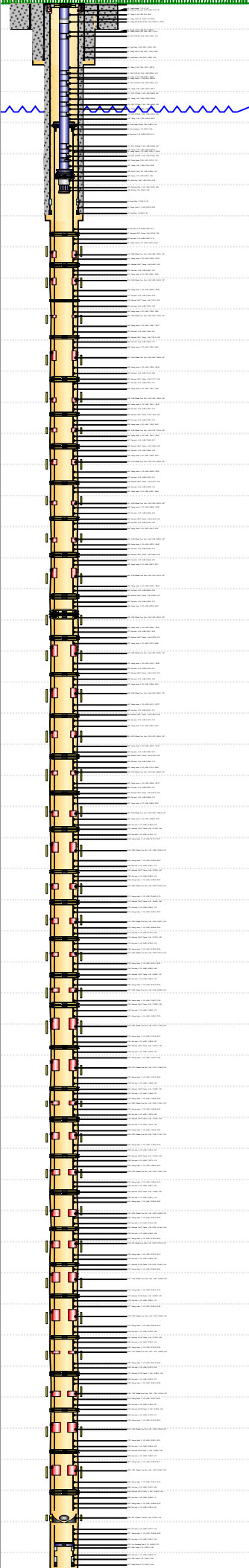
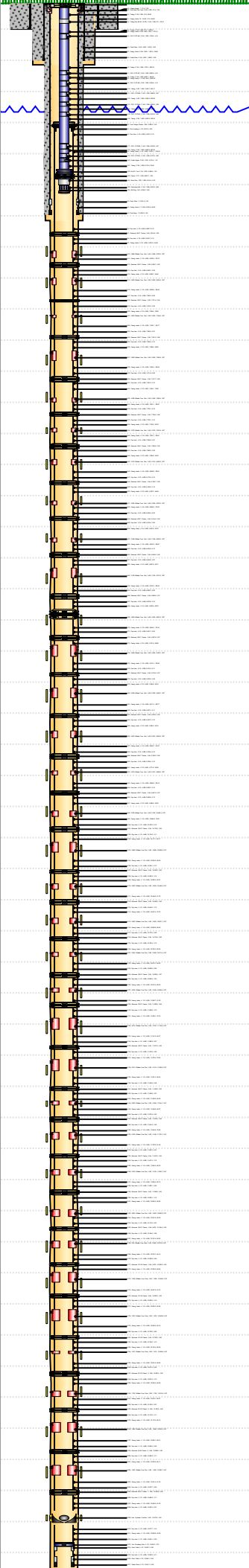
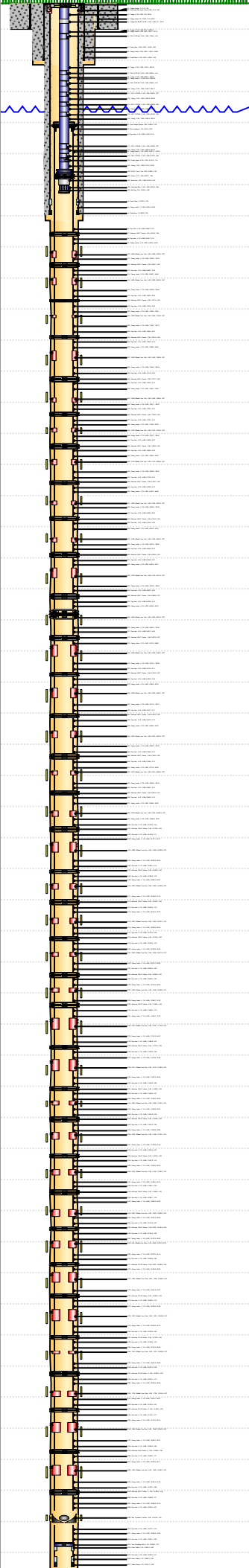
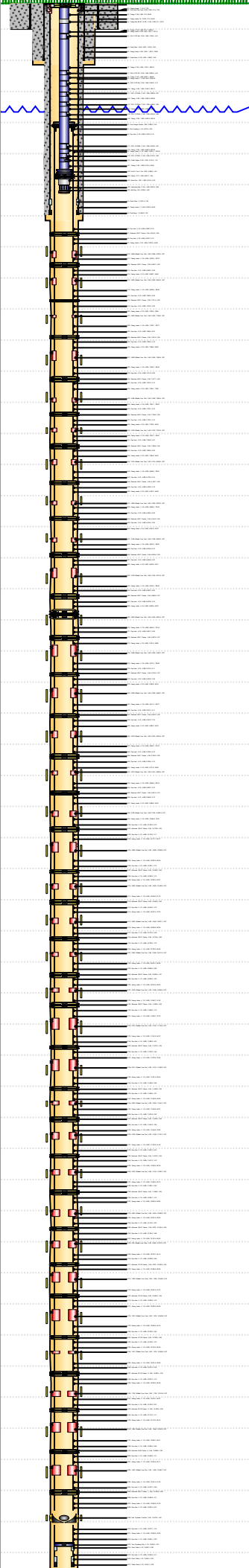
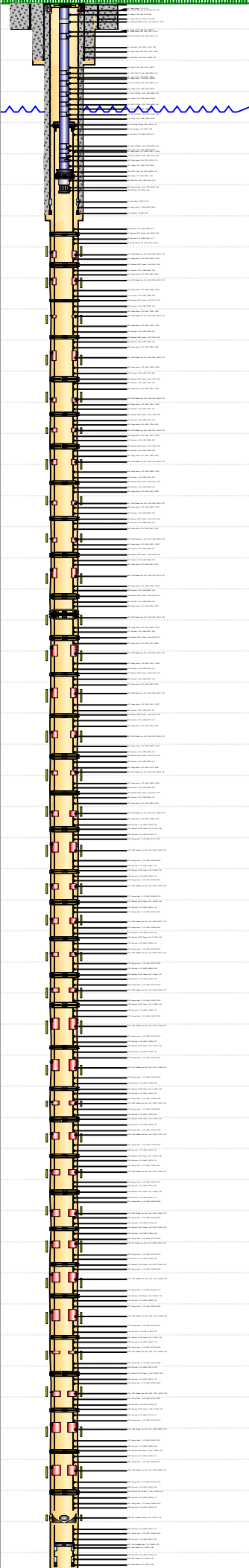
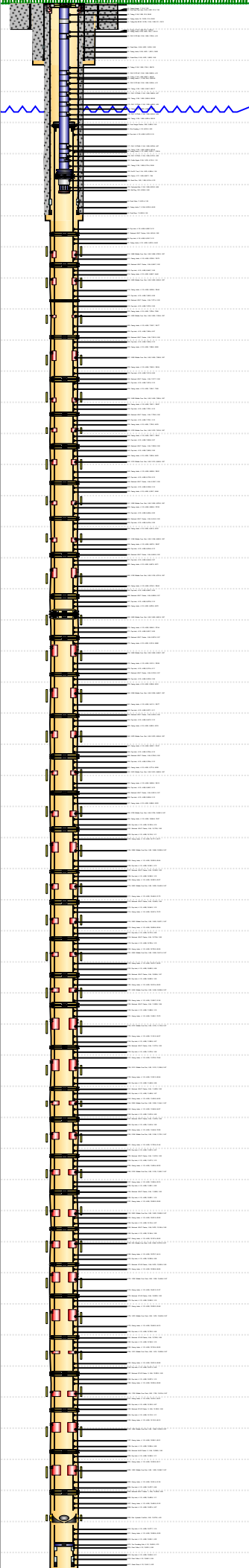
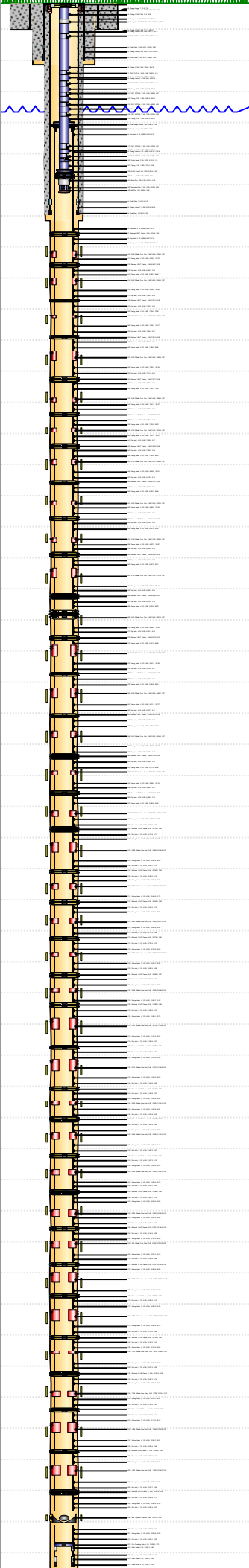
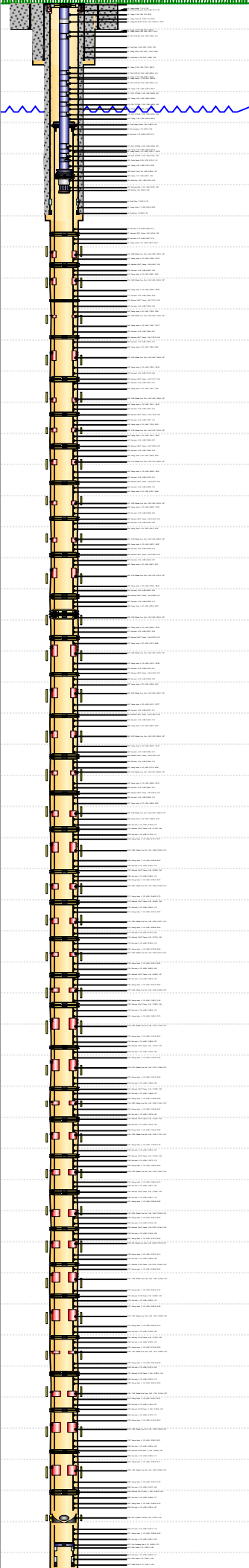
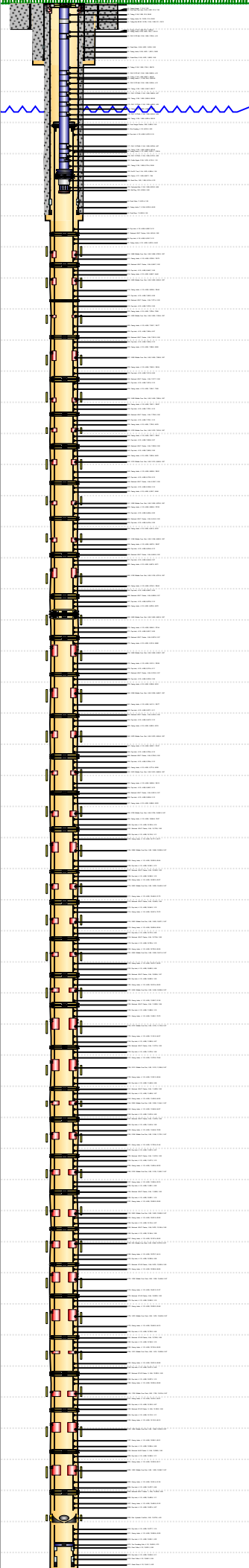
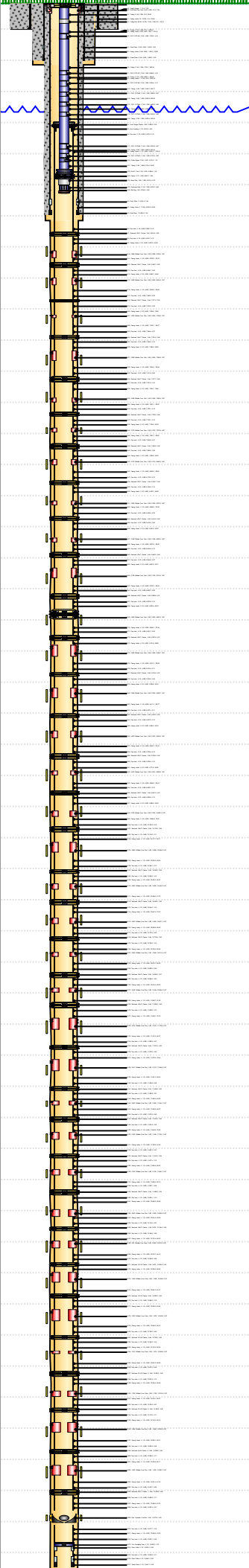
Lease Review
Well Name: RAZOR 11F-0205A

WPI Number 051233870100				WPC ID 1CO0761171				Well Permit Number				Field Name DJ Horizontal Niobrara				County Weld		State CO									
Well Configuration Type Lateral/Horizontal						Orig KB Elv (ft) 5,013.00		Ground Elevation (ft) 4,992.00		Casing Flange Elevation (ft)				Tubing Head Elevation (ft)		Total Depth (ftKB) 13,662.0											
Original Spud Date 2/18/2015				Completion Date 4/20/2015		Asset Group Redtail				Responsible Engineer Charles Ohlson				N/S Dist (ft) 2,320.0		N/S Ref FNL		E/W Dist (ft) 1,906.0		E/W Ref FWL							
Lot		Quarter 1 SE		Quarter 2 NW		Quarter 3		Quarter 4		Section 11		Section Suffix		Section Type		Township 10		Township N/S Dir N		Range 58		Range E/W Dir W		Meridian			
Lateral/Horizontal - Original Hole, 8/31/2015 10:54:09 AM										OD (in)		Wt (lb/ft)		Grade		Top (ftKB)		Btm (ftKB)		Len (ft)		Item Des					
MD (ftKB)		D (ft KB)		n c l (<div>Vertical schematic (actual)</div>						Logs		4 1/2		11.60		HCP-110		10,722.4		10,725.5		3.12		Pup Joint	
												4 1/2		11.60		HCP-110		10,725.5		10,811.0		85.50		Casing Joints			
80.1												5.65						10,811.0		10,813.7		2.67		2.500 Drillable Frac Port			
1,862.2												4 1/2		11.60		HCP-110		10,813.7		10,899.3		85.59		Casing Joints			
3,896.0												4 1/2		11.60		HCP-110		10,899.3		10,905.4		6.08		Pup Joint			
5,468.8												5.84						10,905.4		10,909.3		3.97		Rockseal H2-HT Packer			
6,170.3												4 1/2		11.60		HCP-110		10,909.3		10,912.4		3.03		Pup Joint			
6,216.2												4 1/2		11.60		HCP-110		10,912.4		10,998.0		85.63		Casing Joints			
6,565.0												5.65						10,998.0		11,000.7		2.67		2.438 Drillable Frac Port			
6,706.0												4 1/2		11.60		HCP-110		11,000.7		11,092.0		91.36		Casing Joints			
6,934.1												5.84						11,092.0		11,096.0		3.98		Rockseal H2-HT Packer			
7,078.4												4 1/2		11.60		HCP-110		11,096.0		11,099.1		3.10		Pup Joint			
7,295.6												4 1/2		11.60		HCP-110		11,099.1		11,178.8		79.72		Casing Joints			
7,511.5												5.65						11,178.8		11,181.5		2.67		2.375 Drillable Frac Port			
7,601.0												4 1/2		11.60		HCP-110		11,181.5		11,265.9		84.37		Casing Joints			
7,821.9												4 1/2		11.60		HCP-110		11,265.9		11,271.9		6.07		Pup Joint			
8,050.5												5.84						11,271.9		11,275.9		3.95		Rockseal H2-HT Packer			
8,277.9												4 1/2		11.60		HCP-110		11,275.9		11,279.0		3.09		Pup Joint			
8,421.6												4 1/2		11.60		HCP-110		11,279.0		11,358.6		79.64		Casing Joints			
8,644.7												5.65						11,358.6		11,361.3		2.67		2.313 Drillable Frac Port			
8,862.9												4 1/2		11.60		HCP-110		11,361.3		11,446.8		85.54		Casing Joints			
8,964.2												4 1/2		11.60		HCP-110		11,446.8		11,452.9		6.08		Pup Joint			
9,189.0												5.84						11,452.9		11,456.9		3.95		Rockseal H2-HT Packer			
9,326.4												4 1/2		11.60		HCP-110		11,456.9		11,459.9		3.07		Pup Joint			
9,543.3												4 1/2		11.60		HCP-110		11,459.9		11,544.1		84.20		Casing Joints			
9,637.1												5.65						11,544.1		11,546.8		2.67		2.250 Drillable Frac Port			
9,859.6												4 1/2		11.60		HCP-110		11,546.8		11,631.8		84.97		Casing Joints			
10,082.0												4 1/2		11.60		HCP-110		11,631.8		11,637.8		6.05		Pup Joint			
10,177.2												5.84						11,637.8		11,641.8		3.95		Rockseal H2-HT Packer			
10,355.3												4 1/2		11.60		HCP-110		11,641.8		11,644.9		3.09		Pup Joint			
10,540.4												4 1/2		11.60		HCP-110		11,644.9		11,723.1		78.28		Casing Joints			
10,712.3												5.65						11,723.1		11,725.8		2.67		2.188 Drillable Frac Port			
10,814.0												4 1/2		11.60		HCP-110		11,725.8		11,807.3		81.46		Casing Joints			
11,000.7												4 1/2		11.60		HCP-110		11,807.3		11,813.3		6.07		Pup Joint			
11,179.1												5.84						11,813.3		11,817.3		3.95		Rockseal H2-HT Packer			
11,278.9												4 1/2		11.60		HCP-110		11,817.3		11,820.4		3.12		Pup Joint			
11,452.8												4 1/2		11.60		HCP-110		11,820.4		11,905.7		85.32		Casing Joints			
11,637.8												5.65						11,905.7		11,908.4		2.67		2.125 Drillable Frac Port			
11,807.4												4 1/2		11.60		HCP-110		11,908.4		11,992.1		83.74		Casing Joints			
11,909.1												4 1/2		11.60		HCP-110		11,992.1		11,998.2		6.05		Pup Joint			
12,089.2												5.84						11,998.2		12,002.1		3.95		Rockseal H2-HT Packer			
12,273.0												4 1/2		11.60		HCP-110		12,002.1		12,005.2		3.10		Pup Joint			
12,458.7												4 1/2		11.60		HCP-110		12,005.2		12,089.2		83.95		Casing Joints			
12,559.4												5.65						12,089.2		12,091.9		2.67		2.063 Drillable Frac Port			
12,736.2												4 1/2		11.60		HCP-110		12,091.9		12,174.4		82.50		Casing Joints			
12,917.3												4 1/2		11.60		HCP-110		12,174.4		12,180.4		6.07		Pup Joint			
13,018.0																											
13,203.1																											
13,303.5																											
13,478.7																											
13,577.1																											
13,634.2																											



Lease Review

Well Name: RAZOR 11F-0205A

WPI Number 051233870100			WPC ID 1CO0761171			Well Permit Number			Field Name DJ Horizontal Niobrara			County Weld		State CO			
Well Configuration Type Lateral/Horizontal					Orig KB Elv (ft) 5,013.00		Ground Elevation (ft) 4,992.00		Casing Flange Elevation (ft)			Tubing Head Elevation (ft)		Total Depth (ftKB) 13,662.0			
Original Spud Date 2/18/2015			Completion Date 4/20/2015		Asset Group Redtail			Responsible Engineer Charles Ohlson			N/S Dist (ft) 2,320.0		N/S Ref FNL		E/W Dist (ft) 1,906.0		E/W Ref FWL
Lot		Quarter 1 SE	Quarter 2 NW	Quarter 3	Quarter 4	Section 11	Section Suffix	Section Type		Township 10	Township N/S Dir N	Range 58		Range E/W Dir W	Meridian		
Lateral/Horizontal - Original Hole, 8/31/2015 10:54:10 AM							OD (in)	Wt (lb/ft)	Grade	Top (ftKB)	Btm (ftKB)	Len (ft)	Item Des				
MD (ftKB)	D (ft KB)	n ()	c ()	l ()		Logs	5.84			12,180.4	12,184.4	3.95	Rockseal H2-HT Packer				
							4 1/2	11.60	HCP-110	12,184.4	12,187.5	3.08	Pup Joint				
							4 1/2	11.60	HCP-110	12,187.5	12,273.0	85.55	Casing Joints				
							5.65			12,273.0	12,275.7	2.67	2.00 Drillable Frac Point				
							4 1/2	11.60	HCP-110	12,275.7	12,359.8	84.14	Casing Joints				
							4 1/2	11.60	HCP-110	12,359.8	12,365.9	6.08	Pup Joint				
							5.84			12,365.9	12,369.8	3.95	Rockseal HT-H2 Packer				
							4 1/2	11.60	HCP-110	12,369.8	12,458.5	88.69	Casing Joints				
							5.65			12,458.5	12,461.2	2.67	1.938 Drillable Frac Point				
							4 1/2	11.60	HCP-110	12,461.2	12,552.3	91.07	Casing Joints				
							5.84			12,552.3	12,556.2	3.95	Rockseal HT-H2 Packer				
							4 1/2	11.60	HCP-110	12,556.2	12,559.3	3.10	Pup Joint				
							4 1/2	11.60	HCP-110	12,559.3	12,642.8	83.48	Casing Joints				
							5.65			12,642.8	12,645.5	2.67	1.875 Drillable Frac Point				
							4 1/2	11.60	HCP-110	12,645.5	12,730.2	84.74	Casing Joints				
							4 1/2	11.60	HCP-110	12,730.2	12,736.3	6.06	Pup Joint				
							5.84			12,736.3	12,740.2	3.96	Rockseal HT-H2 Packer				
							4 1/2	11.60	HCP-110	12,740.2	12,743.4	3.15	Pup Joint				
							4 1/2	11.60	HCP-110	12,743.4	12,828.9	85.55	Casing Joints				
							5.65			12,828.9	12,831.6	2.67	1.813 Drillable Frac Point				
							4 1/2	11.60	HCP-110	12,831.6	12,917.3	85.66	Casing Joints				
							4 1/2	11.60	HCP-110	12,917.3	12,923.3	6.05	Pup Joint				
							5.84			12,923.3	12,927.3	3.95	Rockseal HT-H2 Packer 2				
							4 1/2	11.60	HCP-110	12,927.3	12,930.4	3.12	Pup Joint				
							4 1/2	11.60	HCP-110	12,930.4	13,015.4	85.06	Casing Joints				
							5.65			13,015.4	13,018.1	2.67	1.750 Drillable Frac Point				
							4 1/2	11.60	HCP-110	13,018.1	13,103.2	85.07	Casing Joints				
							4 1/2	11.60	HCP-110	13,103.2	13,109.3	6.07	Pup Joint				
							5.84			13,109.3	13,113.2	3.96	Rockseal HT-H2 Packer 2				
							4 1/2	11.60	HCP-110	13,113.2	13,116.3	3.11	Pup Joint				
							4 1/2	11.60	HCP-110	13,116.3	13,202.5	86.15	Casing Joints				
							5.65			13,202.5	13,205.1	2.67	1.688 Drillable Frac Port				
							4 1/2	11.60	HCP-110	13,205.1	13,290.5	85.31	Casing Joints				
							4 1/2	11.60	HCP-110	13,290.5	13,296.5	6.06	Pup Joint				
							5.84			13,296.5	13,300.5	3.96	Rockseal Ht-H2 Packer 2				
							4 1/2	11.60	HCP-110	13,300.5	13,303.6	3.11	Pup Joint				
							4 1/2	11.60	HCP-110	13,303.6	13,388.7	85.11	Casing Joints				
							5.65			13,388.7	13,391.4	2.67	1.625 Drillable Frac Port				
							4 1/2	11.60	HCP-110	13,391.4	13,472.8	81.39	Casing Joints				
							4 1/2	11.60	HCP-110	13,472.8	13,478.8	6.06	Pup Joint				
							5.84			13,478.8	13,482.8	3.96	Rockseal H2-HT Packer 1				
							4 1/2	11.60	HCP-110	13,482.8	13,485.9	3.11	Pup Joint				
							4 1/2	11.60	HCP-110	13,485.9	13,567.4	81.53	Casing Joints				
							4 1/2	11.60	HCP-110	13,567.4	13,573.5	6.07	Pup Joint				
							5.65			13,573.5	13,577.7	4.25	Dual Hydraulic FracPort				
							4 1/2	11.60	HCP-110	13,577.7	13,580.8	3.10	Pup Joint				
																	

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Lease Review

Well Name: RAZOR 11F-0205A

API Number 051233870100		WPC ID 1CO0761171		Well Permit Number		Field Name DJ Horizontal Niobrara		County Weld		State CO									
Well Configuration Type Lateral/Horizontal				Orig KB Elv (ft) 5,013.00		Ground Elevation (ft) 4,992.00		Casing Flange Elevation (ft)		Tubing Head Elevation (ft)		Total Depth (ftKB) 13,662.0							
Original Spud Date 2/18/2015		Completion Date 4/20/2015		Asset Group Redtail		Responsible Engineer Charles Ohlson			N/S Dist (ft) 2,320.0		N/S Ref FNL		E/W Dist (ft) 1,906.0		E/W Ref FWL				
Lot		Quarter 1 SE	Quarter 2 NW	Quarter 3	Quarter 4	Section 11	Section Suffix	Section Type	Township 10 N		Township N/S Dir		Range 58 W		Meridian				
Lateral/Horizontal - Original Hole, 8/31/2015 10:54:11 AM							Additive Proppant		Type 20/40 Ottawa		Amount 125,020.0		Units lb		Sand Size 20/40				
MD (ftKB)		D (ft KB)	n ()	c ()	l ()	Vertical schematic (actual)	Logs	Additive Proppant		Type 40/70 Ottawa		Amount 2,474.0		Units lb		Sand Size 40/70			
Stg #		Start Date		Top Depth (ftKB)				Bottom Depth (ftKB)		Vol Clean Pump (bbl)		Vol Slurry (bbl)							
80.1								27		4/19/2015		8,505.0		8,508.0		2638.00		2789.00	
1,862.2								Additive Proppant		Type 20/40 Ottawa		Amount 126,797.0		Units lb		Sand Size 20/40			
3,896.0								Additive Proppant		Type 40/70 Ottawa		Amount 1,907.0		Units lb		Sand Size 40/70			
5,468.8								Stg #		Start Date		Top Depth (ftKB)		Bottom Depth (ftKB)		Vol Clean Pump (bbl)		Vol Slurry (bbl)	
6,170.3								28		4/19/2015		8,278.0		8,281.0		2679.00		2831.00	
6,216.2								Additive Proppant		Type 20/40 Ottawa		Amount 133,551.0		Units lb		Sand Size 20/40			
6,565.0								Additive Proppant		Type 40/70 Ottawa		Amount 1,817.0		Units lb		Sand Size 40/70			
6,706.0								Stg #		Start Date		Top Depth (ftKB)		Bottom Depth (ftKB)		Vol Clean Pump (bbl)		Vol Slurry (bbl)	
6,934.1								29		4/19/2015		8,048.0		8,051.0		2576.00		2728.00	
7,078.4								Additive Proppant		Type 20/40 Ottawa		Amount 134,057.0		Units lb		Sand Size 20/40			
7,295.6								Additive Proppant		Type 40/70 Ottawa		Amount 1,388.0		Units lb		Sand Size 40/70			
7,511.5								Stg #		Start Date		Top Depth (ftKB)		Bottom Depth (ftKB)		Vol Clean Pump (bbl)		Vol Slurry (bbl)	
7,601.0								30		4/19/2015		7,819.0		7,822.0		2631.00		2783.00	
7,821.9								Additive Proppant		Type 20/40 Ottawa		Amount 131,409.0		Units lb		Sand Size 20/40			
8,050.5								Additive Proppant		Type 40/70 Ottawa		Amount 2,133.0		Units lb		Sand Size 40/70			
8,277.9								Stg #		Start Date		Top Depth (ftKB)		Bottom Depth (ftKB)		Vol Clean Pump (bbl)		Vol Slurry (bbl)	
8,421.6								31		4/19/2015		7,598.0		7,601.0		2607.00		2760.00	
8,644.7								Additive Proppant		Type 20/40 Ottawa		Amount 125,001.0		Units lb		Sand Size 20/40			
8,862.9								Additive Proppant		Type 40/70 Ottawa		Amount 2,318.0		Units lb		Sand Size 40/70			
8,964.2								Stg #		Start Date		Top Depth (ftKB)		Bottom Depth (ftKB)		Vol Clean Pump (bbl)		Vol Slurry (bbl)	
9,189.0								32		4/19/2015		7,381.0		7,384.0		2601.00		2755.00	
9,326.4								Additive Proppant		Type 20/40 Ottawa		Amount 119,498.0		Units lb		Sand Size 20/40			
9,543.3								Additive Proppant		Type 40/70 Ottawa		Amount 2,754.0		Units lb		Sand Size 40/70			
9,637.1								Stg #		Start Date		Top Depth (ftKB)		Bottom Depth (ftKB)		Vol Clean Pump (bbl)		Vol Slurry (bbl)	
9,859.6								33		4/20/2015		7,158.0		7,161.0		2657.00		2811.00	
10,082.0								Additive Proppant		Type 20/40 Ottawa		Amount 121,215.0		Units lb		Sand Size 20/40			
10,177.2								Additive Proppant		Type 40/70 Ottawa		Amount 2,297.0		Units lb		Sand Size 40/70			
10,355.3								Stg #		Start Date		Top Depth (ftKB)		Bottom Depth (ftKB)		Vol Clean Pump (bbl)		Vol Slurry (bbl)	
10,540.4								34		4/20/2015		6,934.0		6,937.0		2614.00		2767.00	
10,712.3								Additive Proppant		Type 20/40 Ottawa		Amount 117,550.0		Units lb		Sand Size 20/40			
10,814.0								Additive Proppant		Type 40/70 Ottawa		Amount 2,793.0		Units lb		Sand Size 40/70			
11,000.7								Stg #		Start Date		Top Depth (ftKB)		Bottom Depth (ftKB)		Vol Clean Pump (bbl)		Vol Slurry (bbl)	
11,179.1								35		4/20/2015		6,706.0		6,709.0		2568.00		2719.00	
11,278.9								Additive Proppant		Type 20/40 Ottawa		Amount 123,342.0		Units lb		Sand Size 20/40			
11,452.8								Additive Proppant		Type 40/70 Ottawa		Amount 2,524.0		Units lb		Sand Size 40/70			
11,637.8								Tubing - Production set at 6,224.9ftKB on 5/20/2015 06:00											
11,807.4								Set Depth (ftKB)		Comment		Run Date 5/20/2015		Pull Date					
11,909.1								6,224.9											
12,089.2								Item Des		OD (in)		ID (in)		Len (ft)		Top (ftKB)		Btm (ftKB)	
12,273.0								Tubing Hanger		7 1/16		2.375		0.50		21.0		21.5	
12,458.7								Tubing		2 3/8		1.995		29.60		21.5		51.1	
12,559.4								Tubing Sub 8ft 8ft 10.13ft		2 3/8		1.995		26.13		51.1		77.2	
12,736.2								Tubing		2 3/8		1.995		1,672.81		77.2		1,750.0	
12,917.3								CM-1 2.375 #8		2 3/8		1.995		4.10		1,750.0		1,754.1	
13,018.0								Tubing		2 3/8		1.995		928.78		1,754.1		2,682.9	
13,203.1								CM-1 2.375 #7		2 3/8		1.995		4.15		2,682.9		2,687.1	
13,303.5								Tubing		2 3/8		1.995		649.55		2,687.1		3,336.6	
13,478.7								CM-1 2.375 #6		2 3/8		1.995		4.13		3,336.6		3,340.8	
13,577.1								Tubing		2 3/8		1.995		555.17		3,340.8		3,895.9	
13,634.2								CM-1 2.375 #5		2 3/8		1.995		4.07		3,895.9		3,900.0	
								Tubing		2 3/8		1.995		555.96		3,900.0		4,456.0	
								CM-1 2.375 #4		2 3/8		1.995		4.09		4,456.0		4,460.0	
								Tubing		2 3/8		1.995		558.31		4,460.0		5,018.4	
								CM-1 2.375 #3		2 3/8		1.995		4.09		5,018.4		5,022.4	
								Tubing		2 3/8		1.995		556.35		5,022.4		5,578.8	
								CM-1 2.375 #2		2 3/8		1.995		4.07		5,578.8		5,582.9	
								Tubing		2 3/8		1.995		587.40		5,582.9		6,170.3	
								CM-1 2.375 #1		2 3/8		1.995		4.06		6,170.3		6,174.3	
								Profile Nipple		2 3/8		1.870		1.10		6,174.3		6,175.4	
								Tubing		2 3/8		1.995		30.98		6,175.4		6,206.4	
								On-Off Tool		3 3/4		1.875		1.35		6,206.4		6,207.8	
								Packer		3.766		1.922		7.68		6,207.8		6,215.4	
								Burst Disc		2.62		1.500		0.76		6,215.4		6,216.2	
								Perforated Sub		2 3/8		1.995		8.08		6,216.2		6,224.3	
								Bull Plug		2.61				0.66		6,224.3		6,224.9	



Lease Review
Well Name: RAZOR 11F-0205A

API Number	WPC ID	Well Permit Number	Field Name	County	State
051233870100	1CO0761171		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	5,013.00	4,992.00			13,662.0
Original Spud Date	Completion Date	Asset Group	Responsible Engineer	N/S Dist (ft)	N/S Ref
2/18/2015	4/20/2015	Redtail	Charles Ohlson	2,320.0	FNL
				E/W Dist (ft)	E/W Ref
				1,906.0	FWL
Lot	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Section
	SE	NW			11
			Section Suffix	Section Type	Township
					10 N
				Township N/S Dir	Range
					58 W
				Range E/W Dir	Meridian

Lateral/Horizontal - Original Hole, 8/31/2015 10:54:12 AM

MD (ftKB)	D (ft KB)	n c l (Vertical schematic (actual)	Logs
80.1				
1,862.2				
3,896.0				
5,468.8				
6,170.3				
6,216.2				
6,565.0				
6,706.0				
6,934.1				
7,078.4				
7,295.6				
7,511.5				
7,601.0				
7,821.9				
8,050.5				
8,277.9				
8,421.6				
8,644.7				
8,862.9				
8,964.2				
9,189.0				
9,326.4				
9,543.3				
9,637.1				
9,859.6				
10,082.0				
10,177.2				
10,355.3				
10,540.4				
10,712.3				
10,814.0				
11,000.7				
11,179.1				
11,278.9				
11,452.8				
11,637.8				
11,807.4				
11,909.1				
12,089.2				
12,273.0				
12,458.7				
12,559.4				
12,736.2				
12,917.3				
13,018.0				
13,203.1				
13,303.5				
13,478.7				
13,577.1				
13,634.2				

Rod Strings				
<des> on <dtmrun>				
Rod Description			Run Date	Pull Date
Item Des			OD (in)	Len (ft)
			Top (ftKB)	Btm (ftKB)
Other Strings				
Set Depth (ftKB)			Run Date	Pull Date
Item Des			OD (in)	Len (ft)
			Top (ftKB)	Btm (ftKB)
Other In Hole				
Des		OD (in)	Run Date	Pull Date
Bottom Hole Cores				
Date		Core #	Top (ftKB)	Btm (ftKB)