PT - Completion Report - CR

Well Name: HORSETAIL 07-0611H

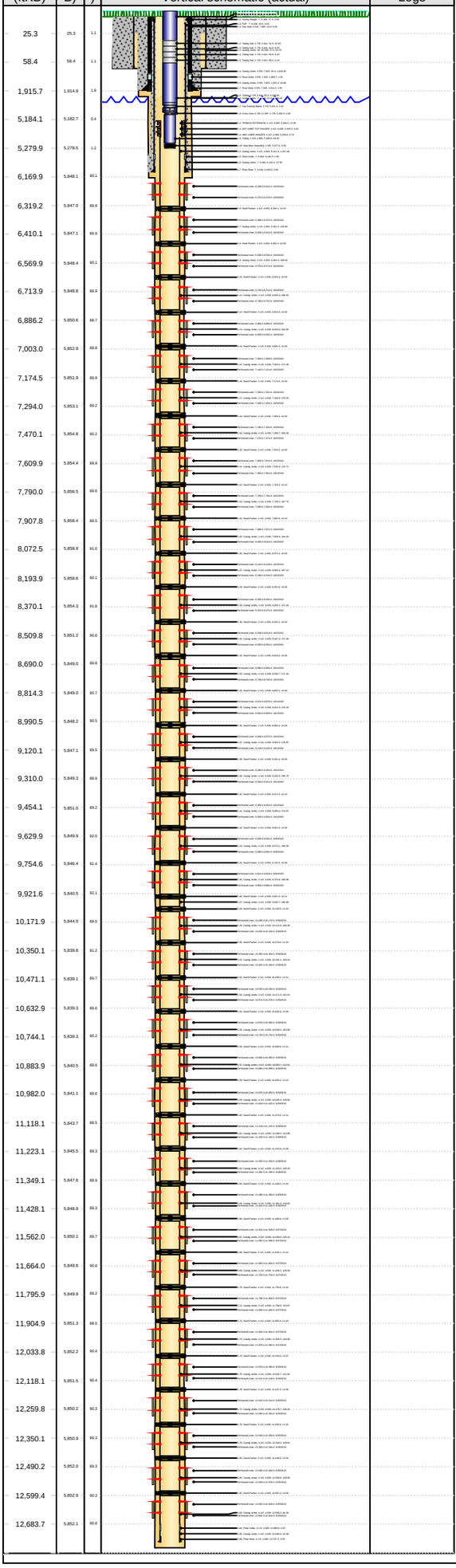
API Number	WPC ID	Well Permit Number	Field Name	County	State	N/S Dist (ft)	N/S Ref	E/W Dist (ft)	E/W Ref
051233664700	1CO076881		DJ Horizontal Niobrara	Weld	CO	2,450.0	FNL	660.0	FWL

Well Configuration Type	Orig KB Elv (ft)	Gr Elev (ft)	Total Depth (ftKB)	Original Spud Date	Completion Date	First Production Date
Lateral/Horizontal	4,943.00	4,925.70	12,740.0	5/20/2013	10/6/2013	10/10/2013

Asset Group	Responsible Engineer	Responsible Foreman	Responsible Drilling	Responsible Geology	Responsible Land
Redtail Asset Group	Gary Nordlander	Mike Staab	Ben Betts	Mark Odegard	Scott McDaniel

Lot	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Section	Township	Township N/S Dir	Range	Range E/W Dir	Meridian
2					7	10	N	57	W	6TH

Lateral/Horizontal - Original Hole, 1/9/2014 11:42:35 AM



Rigs

Contractor	Rig #	Rig Type	Rig Start Date	RR Date	TD (ft)	TD Date
Cade Drilling	21	Drilling	5/19/2013	5/30/2013	12,740.00	

Wellbore Sections

Section Des	Wellbore Name	Size (in)	Act Top (ftKB)	Act Btm (ftKB)	Start Date	End Date
Conductor	Original Hole	24	17.3	80.0	5/19/2013	5/19/2013
Surface	Original Hole	13 1/2	80.0	1,935.0	5/20/2013	5/21/2013
Intermediate	Original Hole	8 3/4	1,935.0	6,170.0	5/22/2013	5/23/2013
Lateral	Original Hole	6	6,170.0	12,740.0	5/24/2013	5/28/2013

Casing

Conductor Pipe, 80.0ftKB

Comment: | Run Date: 5/19/2013 | Pull Date:

OD (in)	Wt (lb/ft)	Grade	Top (ftKB)	Btm (ftKB)	Len (ft)	Item Des
16	65.00	H-40	17.3	80.0	62.70	Casing Joints

Surface Csg, 1,915.7ftKB

Comment: 1 basket | Run Date: 5/21/2013 | Pull Date:

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	19.3	2.00	Wellhead
9 5/8	36.00	J-55	19.3	25.3	6.00	Pup Joint
9 5/8	36.00	J-55	25.3	1,868.7	1,843.45	Casing Joints
9 5/8	36.00	J-55	1,868.7	1,870.2	1.50	Float Collar
9 5/8	36.00	J-55	1,870.2	1,914.2	43.98	Casing Joints
9 5/8	36.00	J-55	1,914.2	1,915.7	1.50	Float Shoe

Frac String, 5,197.0ftKB

Comment: | Run Date: 6/17/2013 | Pull Date: 10/29/2013

OD (in)	Wt (lb/ft)	Grade	Top (ftKB)	Btm (ftKB)	Len (ft)	Item Des
			-7.8	-7.2	0.60	Casing Hanger
4 1/2	11.60	P-110	-7.2	37.2	44.49	Casing Joints
4 1/2	11.60	P-110	37.2	41.2	4.00	Casing PUP Joint
4 1/2	11.60	P-110	41.2	47.2	6.00	Casing PUP Joint
4 1/2	11.60	P-110	47.2	55.2	8.00	Casing PUP Joint
4 1/2	11.60	P-110	55.2	63.2	8.00	Casing PUP Joint
4 1/2	11.60	P-110	63.2	5,179.9	5,116.70	Casing Joints
4 1/2	11.60	P-110	5,179.9	5,187.3	7.38	Casing PUP Joint
5 3/4			5,187.3	5,197.0	9.68	Baker Seal Assembly

Intermediate Csg, 6,160.5ftKB

Comment: | Run Date: 5/24/2013 | Pull Date:

OD (in)	Wt (lb/ft)	Grade	Top (ftKB)	Btm (ftKB)	Len (ft)	Item Des
7	29.00	HCL-80	17.3	17.3	0.00	Landing Joint
7	29.00	HCL-80	17.3	19.3	2.00	Casing Hanger
7	29.00	HCL-80	19.3	23.3	4.00	PUP
7	29.00	HCL-80	23.3	6,119.5	6,096.18	Casing Joints
7	29.00	HCP-110	6,119.5	6,121.0	1.50	Float Collar
7	29.00	HCL-80	6,121.0	6,158.5	37.50	Casing Joints
7	29.00	HCP-110	6,158.5	6,160.5	2.00	Float Shoe

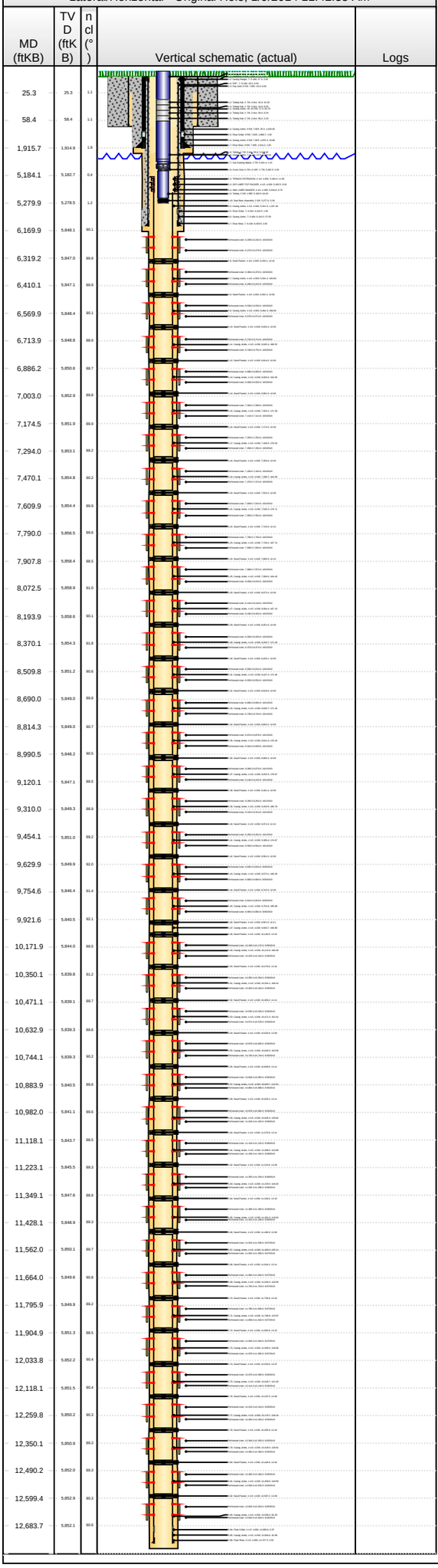
Liner, 12,730.0ftKB

Comment: | Run Date: 5/30/2013 | Pull Date:

OD (in)	Wt (lb/ft)	Grade	Top (ftKB)	Btm (ftKB)	Len (ft)	Item Des
4 1/2	11.60	L-80	5,184.0	5,184.0	0.00	Casing Joints
4 1/2	11.60	P-110	5,184.0	5,195.5	11.56	TIEBACK EXTENSION
4 1/2	11.60	P-110	5,195.5	5,204.8	9.32	ZXP LINER TOP PACKER
4 1/2	11.60	P-110	5,204.8	5,211.6	6.79	HMC LINER HANGER
4 1/2	11.60	L-80	5,211.6	6,319.1	1,107.48	Casing Joints
4 1/2	11.60	P-110	6,319.1	6,331.2	12.10	Swell Packer
4 1/2	11.60	L-80	6,331.2	6,452.2	120.98	Casing Joints
4 1/2	11.60	P-110	6,452.2	6,464.3	12.09	Swell Packer
4 1/2	11.60	L-80	6,464.3	6,633.4	169.08	Casing Joints
4 1/2	11.60	P-110	6,633.4	6,645.5	12.09	Swell Packer
4 1/2	11.60	L-80	6,645.5	6,814.0	168.52	Casing Joints
4 1/2	11.60	P-110	6,814.0	6,826.1	12.08	Swell Packer
4 1/2	11.60	L-80	6,826.1	6,991.0	164.95	Casing Joints
4 1/2	11.60	P-110	6,991.0	7,003.1	12.08	Swell Packer
4 1/2	11.60	L-80	7,003.1	7,174.5	171.38	Casing Joints
4 1/2	11.60	P-110	7,174.5	7,186.6	12.09	Swell Packer
4 1/2	11.60	L-80	7,186.6	7,356.6	170.03	Casing Joints
4 1/2	11.60	P-110	7,356.6	7,368.7	12.09	Swell Packer
4 1/2	11.60	L-80	7,368.7	7,533.2	164.56	Casing Joints
4 1/2	11.60	P-110	7,533.2	7,545.3	12.08	Swell Packer
4 1/2	11.60	L-80	7,545.3	7,716.0	170.71	Casing Joints
4 1/2	11.60	P-110	7,716.0	7,728.1	12.10	Swell Packer
4 1/2	11.60	L-80	7,728.1	7,895.9	167.74	Casing Joints

Report Printed: 1/9/2014

Lateral/Horizontal - Original Hole, 1/9/2014 11:42:38 AM



OD (in)	Wt (lb/ft)	Grade	Top (ftKB)	Btm (ftKB)	Len (ft)	Item Des
4 1/2	11.60	P-110	7,895.9	7,908.0	12.10	Swell Packer
4 1/2	11.60	L-80	7,908.0	8,072.4	164.40	Casing Joints
4 1/2	11.60	P-110	8,072.4	8,084.5	12.09	Swell Packer
4 1/2	11.60	L-80	8,084.5	8,251.6	167.13	Casing Joints
4 1/2	11.60	P-110	8,251.6	8,263.7	12.08	Swell Packer
4 1/2	11.60	L-80	8,263.7	8,435.1	171.43	Casing Joints
4 1/2	11.60	P-110	8,435.1	8,447.2	12.09	Swell Packer
4 1/2	11.60	L-80	8,447.2	8,618.6	171.46	Casing Joints
4 1/2	11.60	P-110	8,618.6	8,630.7	12.08	Swell Packer
4 1/2	11.60	L-80	8,630.7	8,802.2	171.46	Casing Joints
4 1/2	11.60	P-110	8,802.2	8,814.3	12.08	Swell Packer
4 1/2	11.60	L-80	8,814.3	8,990.4	176.18	Casing Joints
4 1/2	11.60	P-110	8,990.4	9,002.5	12.08	Swell Packer
4 1/2	11.60	L-80	9,002.5	9,181.4	178.87	Casing Joints
4 1/2	11.60	P-110	9,181.4	9,193.5	12.08	Swell Packer
4 1/2	11.60	L-80	9,193.5	9,374.3	180.79	Casing Joints
4 1/2	11.60	P-110	9,374.3	9,386.4	12.10	Swell Packer
4 1/2	11.60	L-80	9,386.4	9,561.0	174.67	Casing Joints
4 1/2	11.60	P-110	9,561.0	9,573.1	12.08	Swell Packer
4 1/2	11.60	L-80	9,573.1	9,742.5	169.36	Casing Joints
4 1/2	11.60	P-110	9,742.5	9,754.6	12.09	Swell Packer
4 1/2	11.60	L-80	9,754.6	9,921.5	166.98	Casing Joints
4 1/2	11.60	P-110	9,921.5	9,933.7	12.11	Swell Packer
4 1/2	11.60	L-80	9,933.7	10,100.5	166.86	Casing Joints
4 1/2	11.60	P-110	10,100.5	10,112.6	12.10	Swell Packer
4 1/2	11.60	L-80	10,112.6	10,279.0	166.36	Casing Joints
4 1/2	11.60	P-110	10,279.0	10,291.1	12.10	Swell Packer
4 1/2	11.60	L-80	10,291.1	10,459.2	168.10	Casing Joints
4 1/2	11.60	P-110	10,459.2	10,471.3	12.11	Swell Packer
4 1/2	11.60	L-80	10,471.3	10,632.9	161.61	Casing Joints
4 1/2	11.60	P-110	10,632.9	10,645.0	12.09	Swell Packer
4 1/2	11.60	L-80	10,645.0	10,808.6	163.58	Casing Joints
4 1/2	11.60	P-110	10,808.6	10,820.7	12.11	Swell Packer
4 1/2	11.60	L-80	10,820.7	10,933.2	112.51	Casing Joints
4 1/2	11.60	P-110	10,933.2	10,945.3	12.11	Swell Packer
4 1/2	11.60	L-80	10,945.3	11,073.9	128.62	Casing Joints
4 1/2	11.60	P-110	11,073.9	11,086.0	12.11	Swell Packer
4 1/2	11.60	L-80	11,086.0	11,210.9	124.89	Casing Joints
4 1/2	11.60	P-110	11,210.9	11,223.0	12.09	Swell Packer
4 1/2	11.60	L-80	11,223.0	11,349.2	126.20	Casing Joints
4 1/2	11.60	P-110	11,349.2	11,361.3	12.10	Swell Packer
4 1/2	11.60	L-80	11,361.3	11,480.9	119.62	Casing Joints
4 1/2	11.60	P-110	11,480.9	11,493.0	12.09	Swell Packer
4 1/2	11.60	L-80	11,493.0	11,618.1	125.11	Casing Joints
4 1/2	11.60	P-110	11,618.1	11,630.2	12.11	Swell Packer
4 1/2	11.60	L-80	11,630.2	11,756.8	126.59	Casing Joints
4 1/2	11.60	P-110	11,756.8	11,768.9	12.10	Swell Packer
4 1/2	11.60	L-80	11,768.9	11,892.9	123.97	Casing Joints
4 1/2	11.60	P-110	11,892.9	11,905.0	12.10	Swell Packer
4 1/2	11.60	L-80	11,905.0	12,033.7	128.66	Casing Joints

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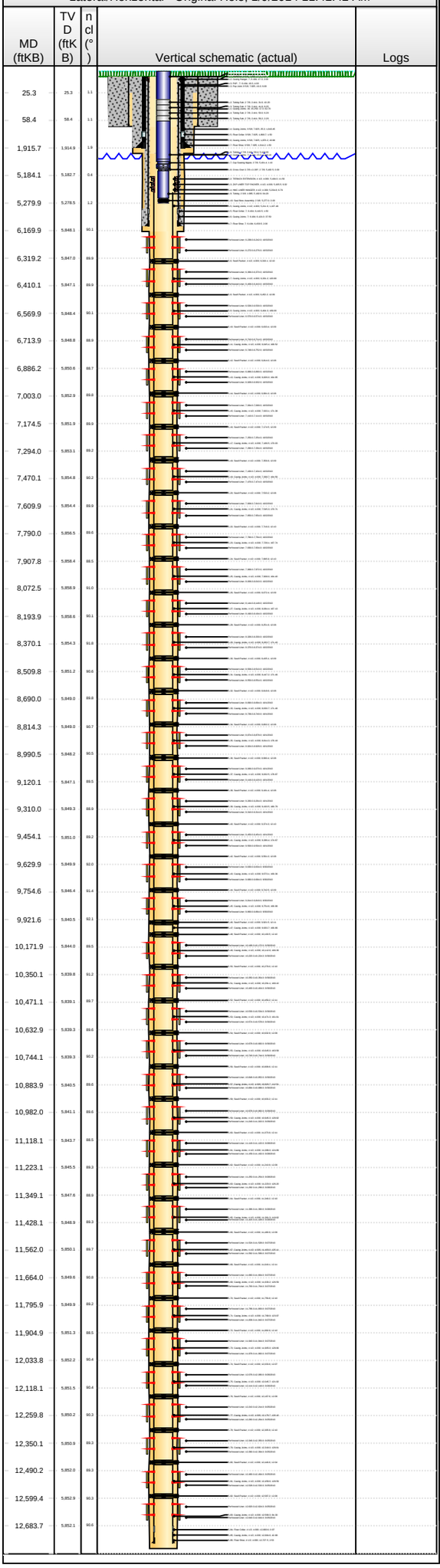


OD (in)	Wt (lb/ft)	Grade	Top (ftKB)	Btm (ftKB)	Len (ft)	Item Des
4 1/2	11.60	P-110	12,033.7	12,045.7	12.07	Swell Packer
4 1/2	11.60	L-80	12,045.7	12,167.6	121.92	Casing Joints
4 1/2	11.60	P-110	12,167.6	12,179.7	12.09	Swell Packer
4 1/2	11.60	L-80	12,179.7	12,305.9	126.16	Casing Joints
4 1/2	11.60	P-110	12,305.9	12,318.0	12.10	Swell Packer
4 1/2	11.60	L-80	12,318.0	12,446.6	128.61	Casing Joints
4 1/2	11.60	P-110	12,446.6	12,458.6	12.04	Swell Packer
4 1/2	11.60	L-80	12,458.6	12,587.2	128.59	Casing Joints
4 1/2	11.60	P-110	12,587.2	12,599.3	12.09	Swell Packer
4 1/2	11.60	L-80	12,599.3	12,683.6	84.30	Casing Joints
4 1/2	11.60	P-110	12,683.6	12,684.6	0.97	Float Collar
4 1/2	11.60	L-80	12,684.6	12,727.5	42.88	Casing Joints
4 1/2	11.60	P-110	12,727.5	12,730.0	2.53	Float Shoe

Cement

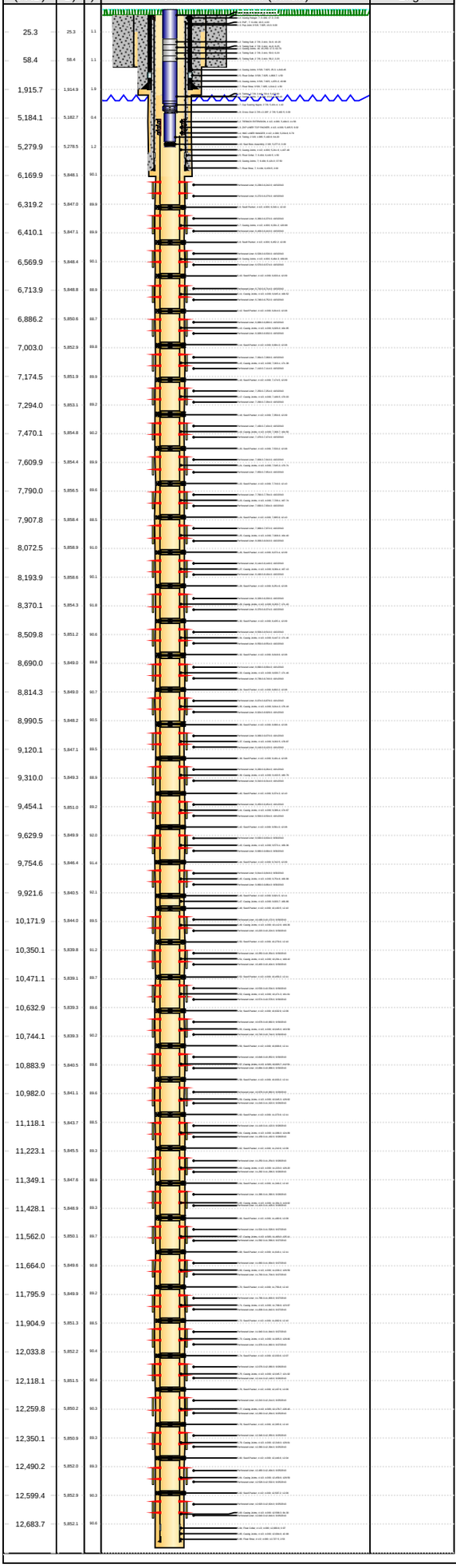
Description	Pump Start Date	Top (ftKB)	Btm (ftKB)	Top Meas Meth	MD Tagged (...
Conductor Cement	5/19/2013	17.3	80.0	Returns to Surface	
Surface Casing Cement	5/21/2013	17.3	1,915.7	Returns to Surface	
Intermediate Casing Cement	5/24/2013	17.3	6,160.5	Returns to Surface	

Wellbore	Fluid Type	Amount (sacks)	Class	Est Top (ftKB)	Est Btm (ftKB)	Vol Pumpe...
Original Hole	Red Dye			17.3	17.3	20.0
Original Hole	Lead Cement	884	Type III+1...	17.3	1,915.0	222.0
Original Hole	Displacement			17.3	1,868.0	144.0
Original Hole	Preflush			6,160.5	6,160.5	40.0
Original Hole	Lead Cement	328	G	17.3	4,260.0	155.0
Original Hole	Tail Cement	108	G	4,260.0	6,160.5	60.0
Original Hole	Displacement w/ Fresh water		Water	17.3	6,119.0	200.0

Perforations

Type of Hole	Date	Top (ftKB)	Btm (ftKB)	Zone	Shot...	Calcu...
Perforated Liner	10/3/2013	6,238.0	6,242.0	Niobrara, Original Hole	3.0	13
Perforated Liner	10/3/2013	6,272.0	6,276.0	Niobrara, Original Hole	3.0	13
Perforated Liner	10/3/2013	6,366.0	6,370.0	Niobrara, Original Hole	3.0	13
Perforated Liner	10/3/2013	6,406.0	6,410.0	Niobrara, Original Hole	3.0	13
Perforated Liner	10/3/2013	6,526.0	6,530.0	Niobrara, Original Hole	3.0	13
Perforated Liner	10/3/2013	6,570.0	6,574.0	Niobrara, Original Hole	3.0	13
Perforated Liner	10/3/2013	6,710.0	6,714.0	Niobrara, Original Hole	3.0	13
Perforated Liner	10/3/2013	6,748.0	6,752.0	Niobrara, Original Hole	3.0	13
Perforated Liner	10/3/2013	6,886.0	6,890.0	Niobrara, Original Hole	3.0	13
Perforated Liner	10/3/2013	6,928.0	6,932.0	Niobrara, Original Hole	3.0	13
Perforated Liner	10/3/2013	7,064.0	7,068.0	Niobrara, Original Hole	3.0	13
Perforated Liner	10/3/2013	7,110.0	7,114.0	Niobrara, Original Hole	3.0	13
Perforated Liner	10/3/2013	7,250.0	7,254.0	Niobrara, Original Hole	3.0	13

Lateral/Horizontal - Original Hole, 1/9/2014 11:42:45 AM



Perforations

Type of Hole	Date	Top (ftKB)	Btm (ftKB)	Zone	Shot...	Calcu...
Perforated Liner	10/3/2013	7,290.0	7,294.0	Niobrara, Original Hole	3.0	13
Perforated Liner	10/3/2013	7,430.0	7,434.0	Niobrara, Original Hole	3.0	13
Perforated Liner	10/3/2013	7,470.0	7,474.0	Niobrara, Original Hole	3.0	13
Perforated Liner	10/2/2013	7,606.0	7,610.0	Niobrara, Original Hole	3.0	13
Perforated Liner	10/2/2013	7,650.0	7,654.0	Niobrara, Original Hole	3.0	13
Perforated Liner	10/2/2013	7,790.0	7,794.0	Niobrara, Original Hole	3.0	13
Perforated Liner	10/2/2013	7,830.0	7,834.0	Niobrara, Original Hole	3.0	13
Perforated Liner	10/2/2013	7,968.0	7,972.0	Niobrara, Original Hole	3.0	13
Perforated Liner	10/2/2013	8,006.0	8,010.0	Niobrara, Original Hole	3.0	13
Perforated Liner	10/2/2013	8,144.0	8,148.0	Niobrara, Original Hole	3.0	13
Perforated Liner	10/2/2013	8,190.0	8,194.0	Niobrara, Original Hole	3.0	13
Perforated Liner	10/2/2013	8,326.0	8,330.0	Niobrara, Original Hole	3.0	13
Perforated Liner	10/2/2013	8,370.0	8,374.0	Niobrara, Original Hole	3.0	13
Perforated Liner	10/2/2013	8,506.0	8,510.0	Niobrara, Original Hole	3.0	13
Perforated Liner	10/2/2013	8,550.0	8,554.0	Niobrara, Original Hole	3.0	13
Perforated Liner	10/1/2013	8,690.0	8,694.0	Niobrara, Original Hole	3.0	13
Perforated Liner	10/1/2013	8,736.0	8,740.0	Niobrara, Original Hole	3.0	13
Perforated Liner	10/1/2013	8,874.0	8,878.0	Niobrara, Original Hole	3.0	13
Perforated Liner	10/1/2013	8,924.0	8,928.0	Niobrara, Original Hole	3.0	13
Perforated Liner	10/1/2013	9,066.0	9,070.0	Niobrara, Original Hole	3.0	13
Perforated Liner	10/1/2013	9,116.0	9,120.0	Niobrara, Original Hole	3.0	13
Perforated Liner	10/1/2013	9,260.0	9,264.0	Niobrara, Original Hole	3.0	13
Perforated Liner	10/1/2013	9,310.0	9,314.0	Niobrara, Original Hole	3.0	13
Perforated Liner	10/1/2013	9,450.0	9,454.0	Niobrara, Original Hole	3.0	13
Perforated Liner	10/1/2013	9,500.0	9,504.0	Niobrara, Original Hole	3.0	13
Perforated Liner	9/30/2013	9,630.0	9,634.0	Niobrara, Original Hole	3.0	13
Perforated Liner	9/30/2013	9,680.0	9,684.0	Niobrara, Original Hole	3.0	13
Perforated Liner	9/30/2013	9,814.0	9,818.0	Niobrara, Original Hole	3.0	13
Perforated Liner	9/30/2013	9,860.0	9,864.0	Niobrara, Original Hole	3.0	13
Perforated Liner	9/30/2013	10,168.0	10,172.0	Niobrara, Original Hole	3.0	13

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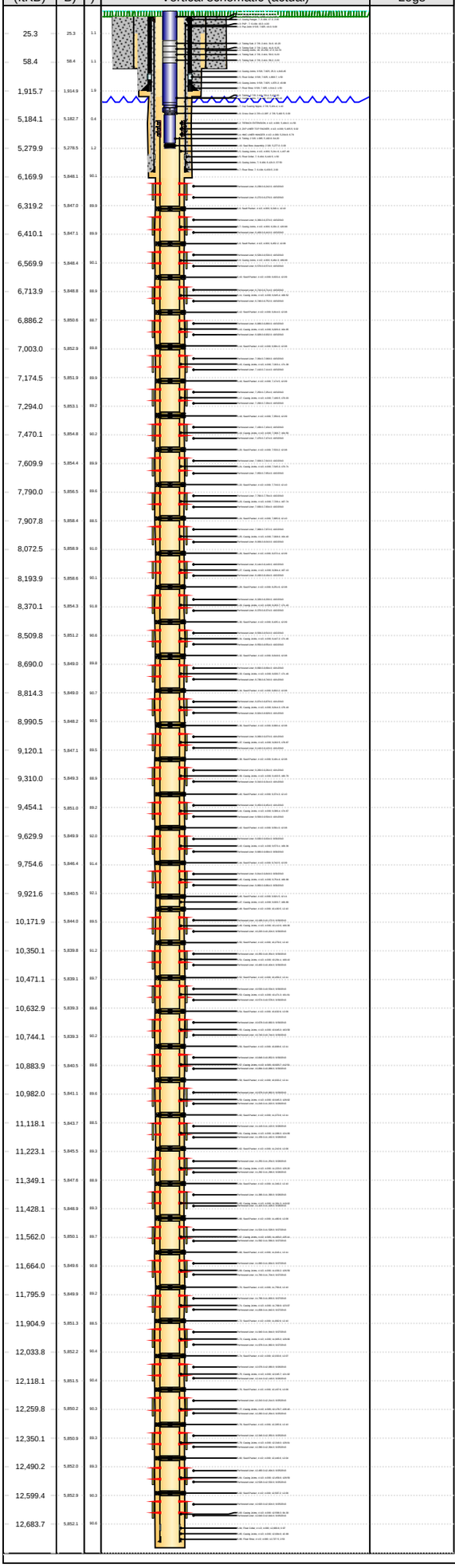
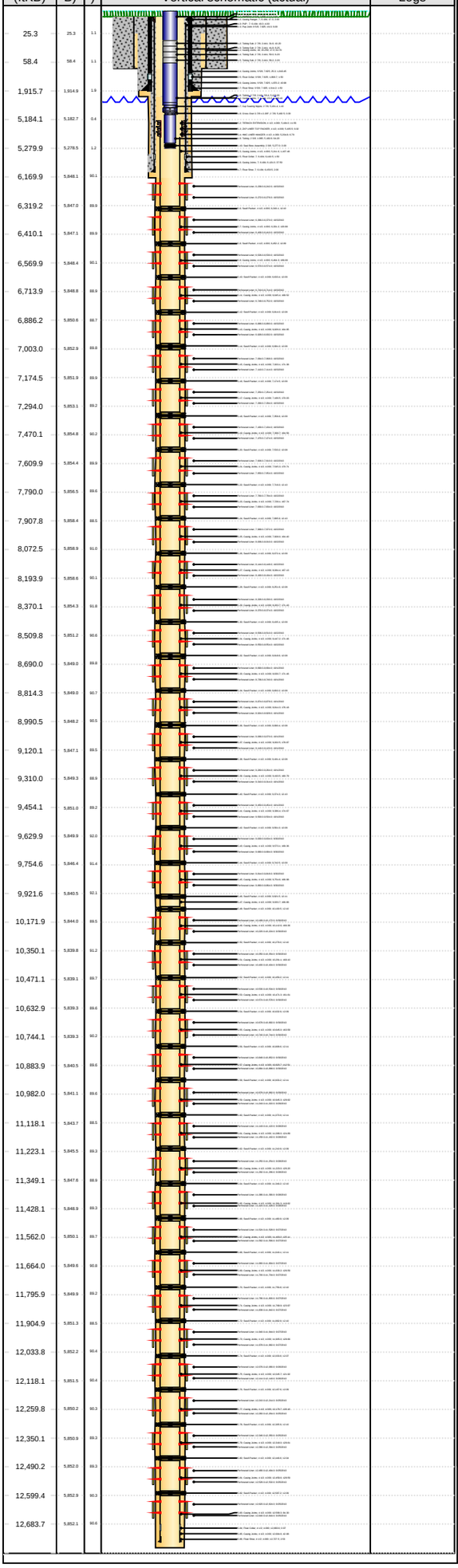


Perforations

Type of Hole	Date	Top (ftKB)	Btm (ftKB)	Zone	Shot...	Calcu...
Perforated Liner	9/30/2013	10,220.0	10,224.0	Niobrara, Original Hole	3.0	13
Perforated Liner	9/30/2013	10,350.0	10,354.0	Niobrara, Original Hole	3.0	13
Perforated Liner	9/30/2013	10,400.0	10,404.0	Niobrara, Original Hole	3.0	13
Perforated Liner	9/30/2013	10,530.0	10,534.0	Niobrara, Original Hole	3.0	13
Perforated Liner	9/30/2013	10,574.0	10,578.0	Niobrara, Original Hole	3.0	13
Perforated Liner	9/30/2013	10,678.0	10,682.0	Niobrara, Original Hole	3.0	13
Perforated Liner	9/30/2013	10,740.0	10,744.0	Niobrara, Original Hole	3.0	13
Perforated Liner	9/30/2013	10,848.0	10,852.0	Niobrara, Original Hole	3.0	13
Perforated Liner	9/30/2013	10,884.0	10,888.0	Niobrara, Original Hole	3.0	13
Perforated Liner	9/29/2013	10,978.0	10,982.0	Niobrara, Original Hole	3.0	13
Perforated Liner	9/29/2013	11,018.0	11,022.0	Niobrara, Original Hole	3.0	13
Perforated Liner	9/28/2013	11,118.0	11,122.0	Niobrara, Original Hole	3.0	13
Perforated Liner	9/28/2013	11,158.0	11,162.0	Niobrara, Original Hole	3.0	13
Perforated Liner	9/28/2013	11,250.0	11,254.0	Niobrara, Original Hole	3.0	13
Perforated Liner	9/28/2013	11,292.0	11,296.0	Niobrara, Original Hole	3.0	13
Perforated Liner	9/28/2013	11,386.0	11,390.0	Niobrara, Original Hole	3.0	13
Perforated Liner	9/28/2013	11,424.0	11,428.0	Niobrara, Original Hole	3.0	13
Perforated Liner	9/27/2013	11,524.0	11,528.0	Niobrara, Original Hole	3.0	13
Perforated Liner	9/27/2013	11,562.0	11,566.0	Niobrara, Original Hole	3.0	13
Perforated Liner	9/27/2013	11,660.0	11,664.0	Niobrara, Original Hole	3.0	13
Perforated Liner	9/27/2013	11,700.0	11,704.0	Niobrara, Original Hole	3.0	13
Perforated Liner	9/27/2013	11,796.0	11,800.0	Niobrara, Original Hole	3.0	13
Perforated Liner	9/27/2013	11,838.0	11,842.0	Niobrara, Original Hole	3.0	13
Perforated Liner	9/27/2013	11,940.0	11,944.0	Niobrara, Original Hole	3.0	13
Perforated Liner	9/27/2013	11,978.0	11,982.0	Niobrara, Original Hole	3.0	13
Perforated Liner	9/26/2013	12,076.0	12,080.0	Niobrara, Original Hole	3.0	13
Perforated Liner	9/26/2013	12,114.0	12,118.0	Niobrara, Original Hole	3.0	13
Perforated Liner	9/25/2013	12,210.0	12,214.0	Niobrara, Original Hole	3.0	13
Perforated Liner	9/25/2013	12,260.0	12,264.0	Niobrara, Original Hole	3.0	13
Perforated Liner	9/25/2013	12,346.0	12,350.0	Niobrara, Original Hole	3.0	13

Lateral/Horizontal - Original Hole, 1/9/2014 11:42:51 AM



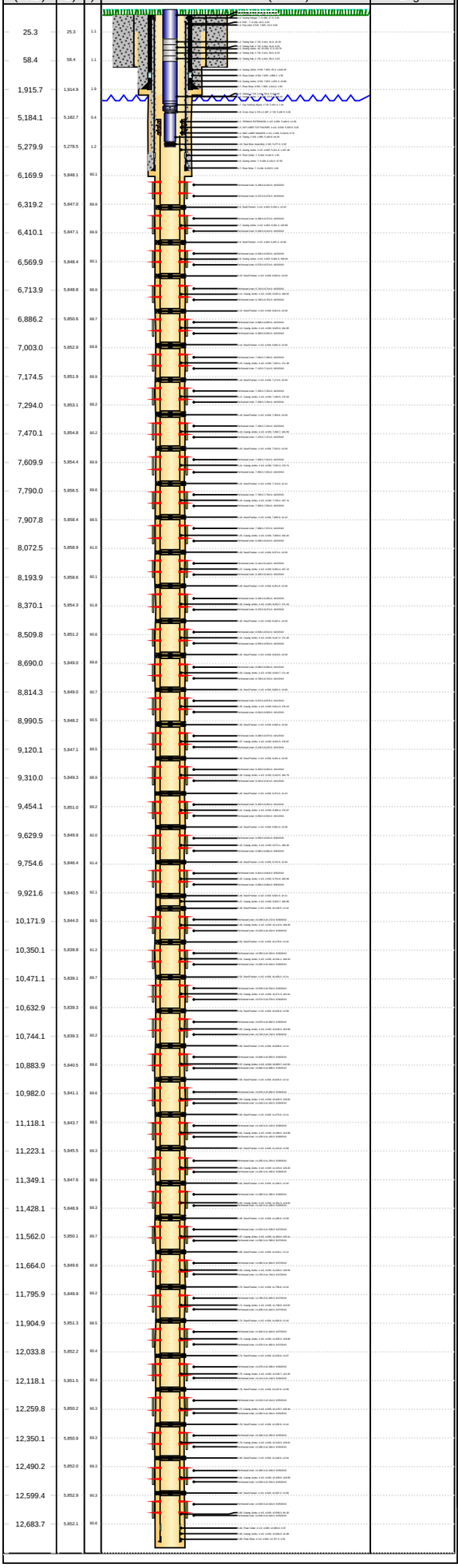
Perforations

Type of Hole	Date	Top (ftKB)	Btm (ftKB)	Zone	Shot...	Calcu...
Perforated Liner	9/25/2013	12,390.0	12,394.0	Niobrara, Original Hole	3.0	13
Perforated Liner	9/25/2013	12,490.0	12,494.0	Niobrara, Original Hole	3.0	13
Perforated Liner	9/25/2013	12,528.0	12,532.0	Niobrara, Original Hole	3.0	13
Perforated Liner	9/25/2013	12,620.0	12,624.0	Niobrara, Original Hole	3.0	13
Perforated Liner	9/25/2013	12,640.0	12,644.0	Niobrara, Original Hole	3.0	13

Stimulations & Treatments

Stg #	Stage T...	Start Date	Top (ftKB)	Btm (ftKB)	Stim/Treat Fluid	Vol Clean...
40	Frac	10/3/2013	6,238.0	6,276.0	13970# 40/70, 161790# 20/40, 13720# CRC, Slick Water	4445.00
39	Frac	10/3/2013	6,366.0	6,410.0	14000# 40/70, 162500# 20/40, 14500# CRC, Slick Water	4391.00
38	Frac	10/3/2013	6,526.0	6,574.0	13000# 40/70, 165100# 20/40, 14500# CRC, Slick Water	4389.00
37	Frac	10/3/2013	6,710.0	6,752.0	14200# 40/70, 163600# 20/40, 14800# CRC, Slick Water	4387.00
36	Frac	10/3/2013	6,886.0	6,932.0	14100# 40/70, 167600# 20/40, 13100# CRC, Slick Water	4396.00
35	Frac	10/3/2013	6,928.0	6,932.0	14250# 40/70, 168550# 20/40, 14000# CRC, Slick Water	4447.00
34	Frac	10/2/2013	7,064.0	7,114.0	13240# 40/70, 165000# 20/40, 15200# CRC, Slick Water	4438.00
33	Frac	10/2/2013	7,250.0	7,294.0	14000# 40/70, 164500# 20/40, 16100# CRC, Slick Water	4435.00
32	Frac	10/2/2013	7,430.0	7,474.0	13000# 40/70, 168000# 20/40, 16000# CRC, Slick Water	4445.00
31	Frac	10/2/2013	7,606.0	7,654.0	13000# 40/70, 165000# 20/40, 14600# CRC, Slick Water	4419.00
30	Frac	10/2/2013	7,790.0	7,834.0	13100# 40/70, 163500# 20/40, 13900# CRC, Slick Water	4432.00
29	Frac	10/2/2013	7,968.0	8,010.0	13514# 40/70, 169000# 20/40, 0# CRC, Slick Water	4359.00
28	Frac	10/2/2013	8,144.0	8,194.0	13105# 40/70, 153100# 20/40, 16100# CRC, Slick Water	5581.00
27	Frac	10/1/2013	8,326.0	8,374.0	12400# 40/70, 165700# 20/40, 16000# CRC, Slick Water	4493.00
26	Frac	10/1/2013	8,506.0	8,554.0	13000# 40/70, 166500# 20/40, 16200# CRC, Slick Water	4614.00
25	Frac	10/1/2013	8,690.0	8,740.0	13000# 40/70, 129000# 20/40, 0# CRC, Slick Water	4570.00
24	Frac	10/1/2013	8,874.0	8,928.0	13000# 40/70, 165000# 20/40, 16000# CRC, Slick Water	4495.00
23	Frac	10/1/2013	9,066.0	9,120.0	13000# 40/70, 169700# 20/40, 16000# CRC, Slick Water	4460.00
22	Frac	9/30/2013	9,260.0	9,314.0	13000# 40/70, 137200# 20/40, 11100# CRC, Slick Water	4330.00
21	Frac	9/30/2013	9,450.0	9,504.0	13400# 40/70, 105400# 20/40, 18000# CRC, Slick Water	4287.00
20	Frac	9/30/2013	9,630.0	9,684.0	11000# 40/70, 106700# 20/40, 11400# CRC, Slick Water	4187.00
19	Frac	9/30/2013	9,814.0	9,864.0	0# 40/70, 0# 20/40, 0# CRC, Slick Water	546.00
18	Frac	9/30/2013	10,168.0	10,224.0	2100# 40/70, 0# 20/40, 0# CRC, Slick Water	1455.00
17	Frac	9/30/2013	10,350.0	10,404.0	9000# 40/70, 0# 20/40, 0# CRC, Slick Water	2980.00

Lateral/Horizontal - Original Hole, 1/9/2014 11:42:54 AM



Stimulations & Treatments

Stg #	Stage T...	Start Date	Top (ftKB)	Btm (ftKB)	Stim/Treat Fluid	Vol Clean...
16	Frac	9/30/2013	10,530.0	10,578.0	9000# 40/70, 145000# 20/40, 0# CRC, Slick Water	3721.00
15	Frac	9/29/2013	10,678.0	10,744.0	3200# 40/70, 137900# 20/40, 0# CRC, Slick Water	3505.00
14	Frac	9/29/2013	10,848.0	10,888.0	3100# 40/70, 165400# 20/40, 5200# CRC, Slick Water	3670.00
13	Frac	9/29/2013	10,978.0	11,022.0	3000# 40/70, 165800# 20/40, 0# CRC, Slick Water	3553.00
12	Frac	9/29/2013	11,118.0	11,162.0	3000# 40/70, 165000# 20/40, 16000# CRC, Slick Water	3227.00
11	Frac	9/29/2013	11,250.0	11,296.0	3000# 40/70, 162500# 20/40, 16000# CRC, Slick Water	3281.00
10	Frac	9/28/2013	11,386.0	11,428.0	9060# 40/70, 164200# 20/40, 0# CRC, Slick Water	5254.00
9	Frac	9/28/2013	11,524.0	11,566.0	9000# 40/70, 165600# 20/40, 16000# CRC, Slick Water	4400.00
8	Frac	9/27/2013	11,660.0	11,704.0	9200# 40/70, 168300# 20/40, 16300# CRC, Slick Water	3799.00
7	Frac	9/27/2013	11,796.0	11,842.0	9000# 40/70, 170000# 20/40, 16000# CRC, Slick Water	3809.00
6	Frac	9/27/2013	11,940.0	11,982.0	8500# 40/70, 120500# 20/40, 0# CRC, Slick Water	3308.00
5	Frac	9/25/2013	12,076.0	12,118.0	9000# 40/70, 117800# 20/40, 0# CRC, Slick Water	3501.00
4	Frac	9/25/2013	12,210.0	12,264.0	9100# 40/70, 164600# 20/40, 16500# CRC, Slick Water	3810.00
3	Frac	9/25/2013	12,346.0	12,394.0	9100# 40/70, 165400# 20/40, 15800# CRC, Slick Water	3806.00
2	Frac	9/25/2013	12,490.0	12,532.0	9500# 40/70, 162500# 20/40, 16000# CRC, Slick Water	4048.00
1	Frac	9/25/2013	12,620.0	12,644.0	9500# 40/70, 165000# 20/40, 16000# CRC, Slick Water	3872.00

Tubing

Set Depth (ftKB)	Comment	Run Date	Pull Date
5,280.0		10/30/2013	

Item Des	OD (in)	Wt (lb/ft)	Grade	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing	2 7/8	6.50	J-55	1	31.40	0.2	31.6
Tubing Sub	2 7/8	6.50	J-55	1	10.20	31.6	41.8
Tubing Sub	2 7/8	6.50	J-55	1	8.25	41.8	50.0
Tubing Sub	2 7/8	6.50	J-55	1	6.20	50.0	56.2
Tubing Sub	2 7/8	6.50	J-55	1	2.20	56.2	58.4
Tubing	2 7/8	6.50	J-55	164	5,123.00	58.4	5,181.4
Cup Seating Nipple	2 7/8			1	1.10	5,181.4	5,182.5
Cross Over 2-7/8 x 2-3/8"	2 7/8			1	0.30	5,182.5	5,182.8
Tubing	2 3/8	4.70	J-55	3	94.20	5,182.8	5,277.0
Seal Bore Assembly	2 3/8			1	3.00	5,277.0	5,280.0

Rod Strings

Rod Description	Comment	Run Date	Pull Date

Item Des	OD (in)	Wt (lb/ft)	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)

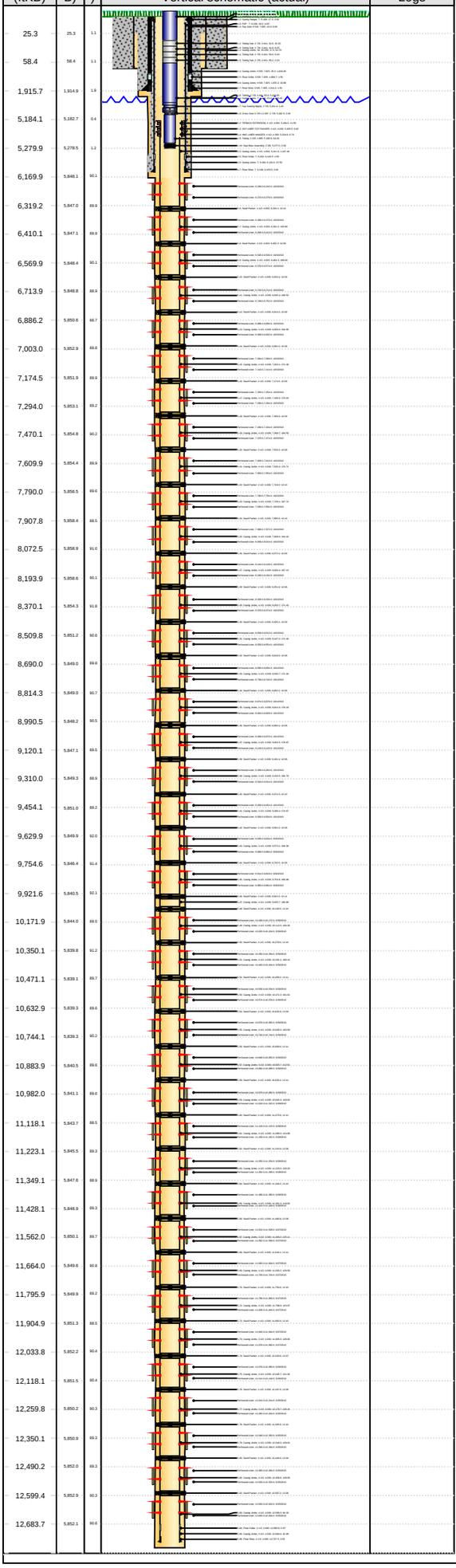
Other String Components

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

Other In Hole

Description	OD (in)	Run Date	Pull Date	Top (ftKB)	Btm (ftKB)
CFP	4	10/3/2013	10/5/2013	6,306.0	6,308.0
Comment: Isolation					
CFP	4	10/3/2013	10/5/2013	6,444.0	6,446.0
Comment: Isolation					
CFP	4	10/3/2013	10/5/2013	6,622.0	6,624.0
Comment: Isolation					
CFP	4	10/3/2013	10/5/2013	6,802.0	6,804.0
Comment: Isolation					

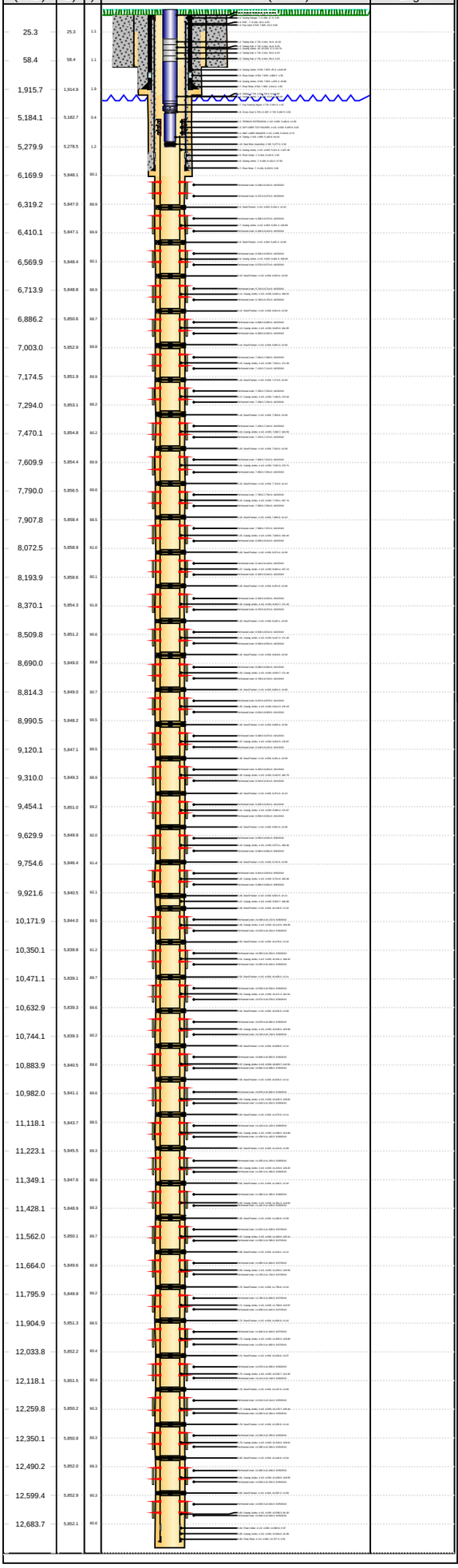
Lateral/Horizontal - Original Hole, 1/9/2014 11:42:57 AM



Other In Hole

Description	OD (in)	Run Date	Pull Date	Top (ftKB)	Btm (ftKB)
CFP	4	10/3/2013	10/5/2013	6,978.0	6,980.0
Comment: Isolation					
CFP	4	10/3/2013	10/5/2013	7,162.0	7,164.0
Comment: Isolation					
CFP	4	10/3/2013	10/5/2013	7,340.0	7,342.0
Comment: Isolation					
CFP	4	10/3/2013	10/5/2013	7,520.0	7,522.0
Comment: Isolation					
CFP	4	10/2/2013	10/5/2013	7,700.0	7,702.0
Comment: Isolation					
CFP	4	10/2/2013	10/5/2013	7,884.0	7,886.0
Comment: Isolation					
CFP	4	10/2/2013	10/5/2013	8,060.0	8,062.0
Comment: Isolation					
CFP	4	10/2/2013	10/5/2013	8,240.0	8,242.0
Comment: Isolation					
CFP	4	10/2/2013	10/5/2013	8,422.0	8,424.0
Comment: Isolation					
CFP	4	10/2/2013	10/5/2013	8,604.0	8,606.0
Comment: Isolation					
CFP	4	10/1/2013	10/5/2013	8,786.0	8,788.0
Comment: Isolation					
CFP	4	10/1/2013	10/5/2013	8,974.0	8,976.0
Comment: Isolation					
CFP	4	10/1/2013	10/5/2013	9,164.0	9,166.0
Comment: Isolation					
CFP	4	10/1/2013	10/5/2013	9,356.0	9,358.0
Comment: Isolation					
CFP	4	10/1/2013	10/5/2013	9,546.0	9,548.0
Comment: Isolation					
CFP	4	9/30/2013	10/5/2013	9,728.0	9,730.0
Comment: Isolation					
CFP	4	9/30/2013	10/5/2013	9,906.0	9,908.0
Comment: Isolation					
CFP	4	9/30/2013	10/5/2013	10,266.0	10,268.0
Comment: Isolation					
CFP	4	9/30/2013	10/5/2013	10,444.0	10,446.0
Comment: Isolation					
CFP	4	9/30/2013	10/5/2013	10,618.0	10,620.0
Comment: Isolation					
CFP	4	9/30/2013	10/5/2013	10,792.0	10,794.0
Comment: Isolation					
CFP	4	9/30/2013	10/5/2013	10,922.0	10,924.0
Comment: Isolation					
CFP	4	9/28/2013	10/5/2013	11,196.0	11,198.0
Comment: Isolation					

Lateral/Horizontal - Original Hole, 1/9/2014 11:43:01 AM



Other In Hole

Description	OD (in)	Run Date	Pull Date	Top (ftKB)	Btm (ftKB)
CFP	4	9/28/2013	10/5/2013	11,332.0	11,324.0
Comment: Isolation					
CFP	4	9/28/2013	10/5/2013	11,464.0	11,466.0
Comment: Isolation					
CFP	4	9/27/2013	10/5/2013	11,602.0	11,604.0
Comment: Isolation					
CFP	4	9/27/2013	10/5/2013	11,740.0	11,742.0
Comment: Isolation					
CFP	4	9/27/2013	10/6/2013	11,876.0	11,878.0
Comment: Isolation					
CFP	4	9/26/2013	10/6/2013	12,156.0	12,158.0
Comment: Isolation					
CFP	4	9/25/2013	10/6/2013	12,290.0	12,292.0
Comment: Isolation					
CFP	4	9/25/2013	10/6/2013	12,430.0	12,432.0
Comment: Isolation					
CFP	4	9/25/2013	10/6/2013	12,570.0	12,572.0
Comment: Isolation					
CFP	4	9/25/2013	10/6/2013	12,660.0	12,662.0
Comment: Isolation					

Bottom Hole Cores

Core #	Date	Top (ftKB)	Btm (ftKB)	Wellbore	Recovered (ft)	% Re…

Comment