

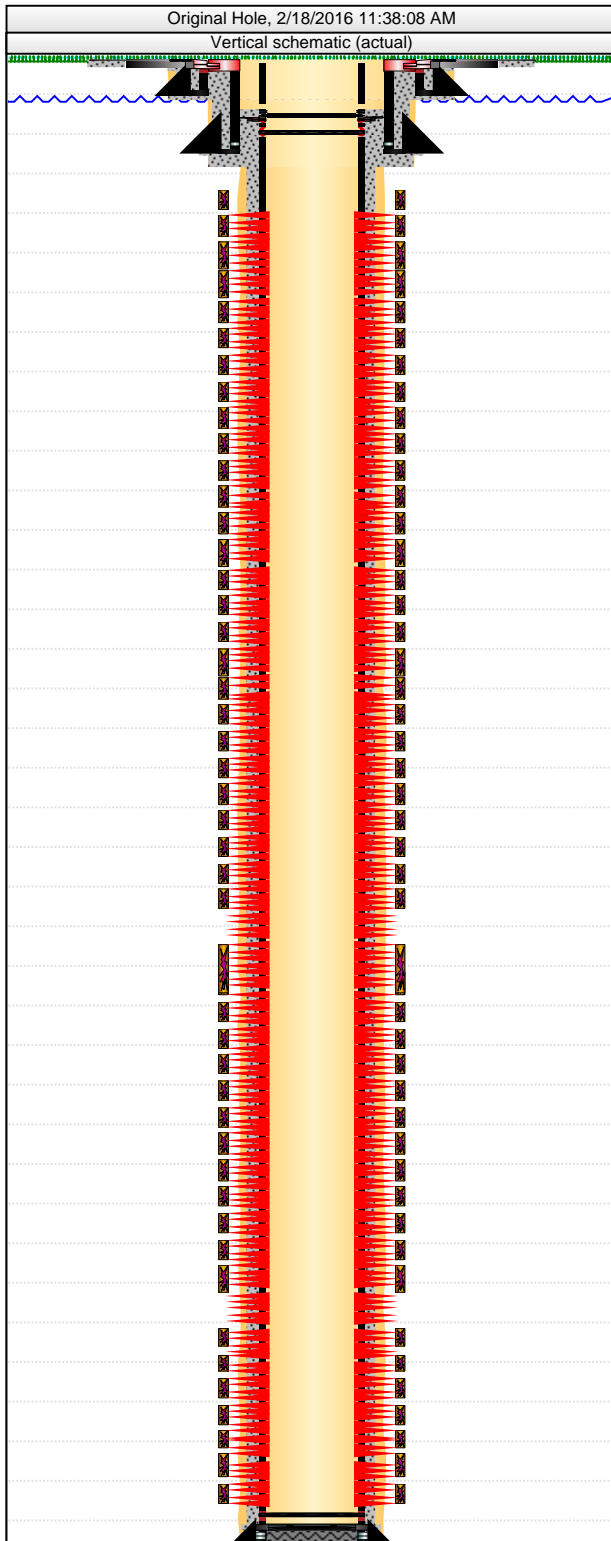
## Downhole Well Profile

**Well Name: Sherley E-4-9HN**

API/UWI 05-123-40966	Surface Legal Location	Field Name Greeley	License #	State/Province	Well Configuration Type
Original KB Elevation (ft) 4,663.00	KB-Tubing Head Distance (ft)	Spud Date 3/10/2015 06:30	Rig Release Date 5/13/2015 06:00	PBTD (All)	Total Depth All (TVD) Original Hole - 6,946.5

**Wellhead and Christmas Tree Systems**

Type	Make	Service	Working Pressure (psi)	Max Pres (psi)	Size (in)
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**Casing Strings**

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Set Depth (ftKB)
Surface	9 5/8	36.00	J-55		826.6
Tie Back	4 1/2	13.50	P-110		6,523.0
Intermediate	7	29.00	P-110	Buttress Thread	7,383.6
Liner	4 1/2	13.50	P-110	BTC	16,813.0

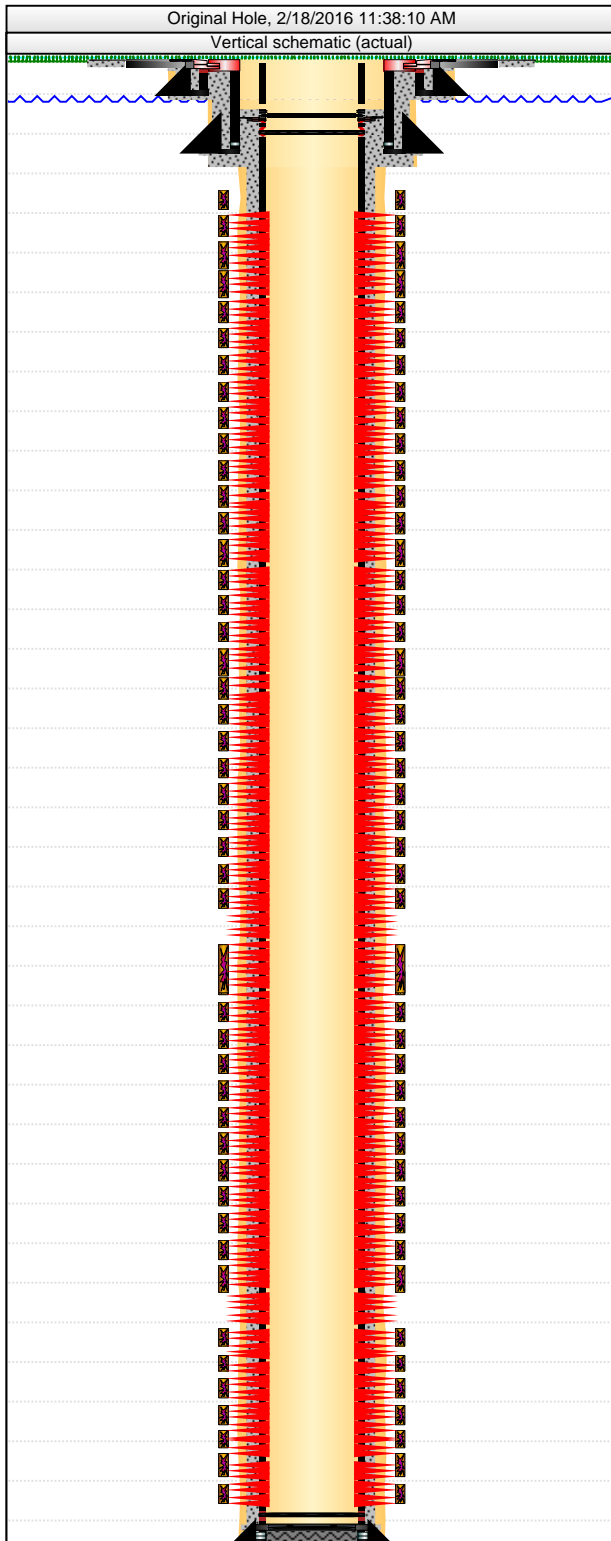
**Perforations**

Date	Top (ftKB)	Btm (ftKB)	Linked Zone
	7,386.0	7,388.0	
	7,417.0	7,419.0	
	7,449.0	7,451.0	
12/21/2015	7,626.0	7,628.0	Niobrara, Original Hole
12/21/2015	7,640.0	7,642.0	Niobrara, Original Hole
12/21/2015	7,670.0	7,672.0	Niobrara, Original Hole
12/21/2015	7,692.0	7,694.0	Niobrara, Original Hole
12/21/2015	7,759.0	7,761.0	Niobrara, Original Hole
12/21/2015	7,781.0	7,783.0	Niobrara, Original Hole
12/21/2015	7,803.0	7,805.0	Niobrara, Original Hole
12/21/2015	7,825.0	7,827.0	Niobrara, Original Hole
12/21/2015	7,907.0	7,909.0	Niobrara, Original Hole
12/21/2015	7,939.0	7,941.0	Niobrara, Original Hole
12/21/2015	7,966.0	7,968.0	Niobrara, Original Hole
12/21/2015	7,970.0	7,972.0	Niobrara, Original Hole
12/21/2015	8,091.0	8,093.0	Niobrara, Original Hole
12/21/2015	8,123.0	8,125.0	Niobrara, Original Hole
12/21/2015	8,156.0	8,158.0	Niobrara, Original Hole
12/21/2015	8,186.0	8,188.0	Niobrara, Original Hole
12/20/2015	8,276.0	8,278.0	Niobrara, Original Hole
12/20/2015	8,307.0	8,309.0	Niobrara, Original Hole
12/20/2015	8,338.0	8,340.0	Niobrara, Original Hole
12/20/2015	8,370.0	8,372.0	Niobrara, Original Hole
12/20/2015	8,460.0	8,462.0	Niobrara, Original Hole
12/20/2015	8,491.0	8,493.0	Niobrara, Original Hole
12/20/2015	8,523.0	8,525.0	Niobrara, Original Hole
12/20/2015	8,554.0	8,556.0	Niobrara, Original Hole
12/20/2015	8,644.0	8,646.0	Niobrara, Original Hole
12/20/2015	8,675.0	8,677.0	Niobrara, Original Hole
12/20/2015	8,707.0	8,709.0	Niobrara, Original Hole
12/20/2015	8,738.0	8,740.0	Niobrara, Original Hole
12/20/2015	8,828.0	8,830.0	Niobrara, Original Hole
12/20/2015	8,860.0	8,862.0	Niobrara, Original Hole
12/20/2015	8,891.0	8,893.0	Niobrara, Original Hole
12/20/2015	8,922.0	8,924.0	Niobrara, Original Hole
12/20/2015	9,012.0	9,014.0	Niobrara, Original Hole
12/20/2015	9,044.0	9,046.0	Niobrara, Original Hole
12/20/2015	9,075.0	9,077.0	Niobrara, Original Hole
12/20/2015	9,103.0	9,105.0	Niobrara, Original Hole
12/19/2015	9,197.0	9,199.0	Niobrara, Original Hole
12/19/2015	9,228.0	9,230.0	Niobrara, Original Hole
12/19/2015	9,259.0	9,261.0	Niobrara, Original Hole
12/19/2015	9,291.0	9,293.0	Niobrara, Original Hole
12/19/2015	9,381.0	9,383.0	Niobrara, Original Hole

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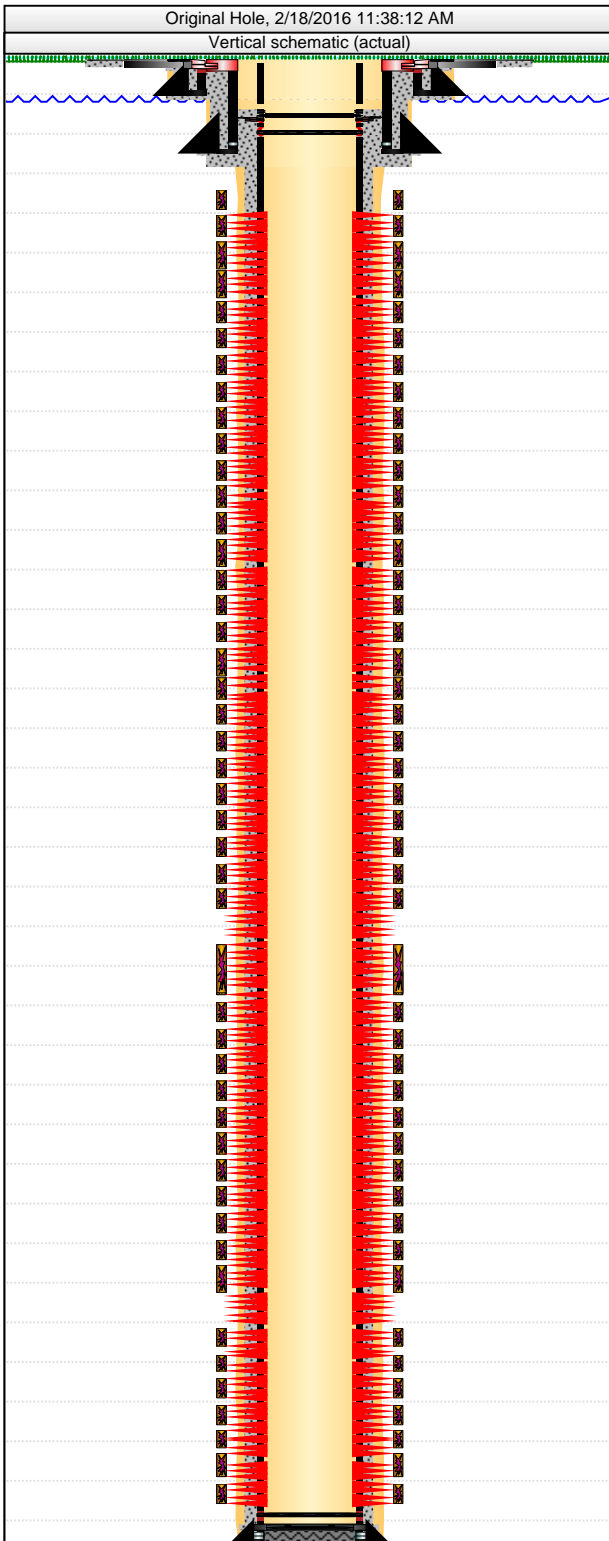


Perforations			
Date	Top (ftKB)	Btm (ftKB)	Linked Zone
12/19/2015	9,412.0	9,414.0	Niobrara, Original Hole
12/19/2015	9,444.0	9,446.0	Niobrara, Original Hole
12/19/2015	9,475.0	9,477.0	Niobrara, Original Hole
12/18/2015	9,565.0	9,567.0	Niobrara, Original Hole
12/18/2015	9,628.0	9,598.0	Niobrara, Original Hole
12/18/2015	9,656.0	9,630.0	Niobrara, Original Hole
12/18/2015	9,659.0	9,661.0	Niobrara, Original Hole
12/18/2015	9,749.0	9,751.0	Niobrara, Original Hole
12/18/2015	9,781.0	9,783.0	Niobrara, Original Hole
12/18/2015	9,812.0	9,814.0	Niobrara, Original Hole
12/18/2015	9,844.0	9,846.0	Niobrara, Original Hole
12/18/2015	9,934.0	9,936.0	Niobrara, Original Hole
12/18/2015	9,965.0	9,967.0	Niobrara, Original Hole
12/18/2015	9,996.0	9,998.0	Niobrara, Original Hole
12/18/2015	10,028.0	10,030.0	Niobrara, Original Hole
12/18/2015	10,118.0	10,120.0	Niobrara, Original Hole
12/18/2015	10,149.0	10,151.0	Niobrara, Original Hole
12/18/2015	10,181.0	10,183.0	Niobrara, Original Hole
12/18/2015	10,212.0	10,214.0	Niobrara, Original Hole
12/17/2015	10,302.0	10,304.0	Niobrara, Original Hole
12/17/2015	10,333.0	10,335.0	Niobrara, Original Hole
12/17/2015	10,365.0	10,367.0	Niobrara, Original Hole
12/17/2015	10,396.0	10,398.0	Niobrara, Original Hole
12/16/2015	10,486.0	10,488.0	Niobrara, Original Hole
12/16/2015	10,518.0	10,520.0	Niobrara, Original Hole
12/16/2015	10,549.0	10,551.0	Niobrara, Original Hole
12/16/2015	10,580.0	10,582.0	Niobrara, Original Hole
12/16/2015	10,670.0	10,672.0	Niobrara, Original Hole
12/16/2015	10,702.0	10,704.0	Niobrara, Original Hole
12/16/2015	10,733.0	10,735.0	Niobrara, Original Hole
12/16/2015	10,765.0	10,767.0	Niobrara, Original Hole
12/16/2015	10,855.0	10,857.0	Niobrara, Original Hole
12/16/2015	10,886.0	10,888.0	Niobrara, Original Hole
12/16/2015	10,947.0	10,919.0	Niobrara, Original Hole
12/16/2015	10,949.0	10,951.0	Niobrara, Original Hole
12/15/2015	11,039.0	11,041.0	Niobrara, Original Hole
12/15/2015	11,070.0	11,072.0	Niobrara, Original Hole
12/15/2015	11,102.0	11,104.0	Niobrara, Original Hole
12/15/2015	11,133.0	11,135.0	Niobrara, Original Hole
12/11/2015	11,223.0	11,225.0	Niobrara, Original Hole
12/11/2015	11,254.0	11,256.0	Niobrara, Original Hole
12/11/2015	11,286.0	11,288.0	Niobrara, Original Hole
12/11/2015	11,317.0	11,319.0	Niobrara, Original Hole
12/11/2015	11,407.0	11,409.0	Niobrara, Original Hole
12/11/2015	11,439.0	11,441.0	Niobrara, Original Hole
12/11/2015	11,470.0	11,472.0	Niobrara, Original Hole
12/11/2015	11,502.0	11,504.0	Niobrara, Original Hole
12/11/2015	11,592.0	11,594.0	Niobrara, Original Hole
12/11/2015	11,624.0	11,626.0	Niobrara, Original Hole
12/11/2015	11,654.0	11,656.0	Niobrara, Original Hole
12/11/2015	11,686.0	11,688.0	Niobrara, Original Hole

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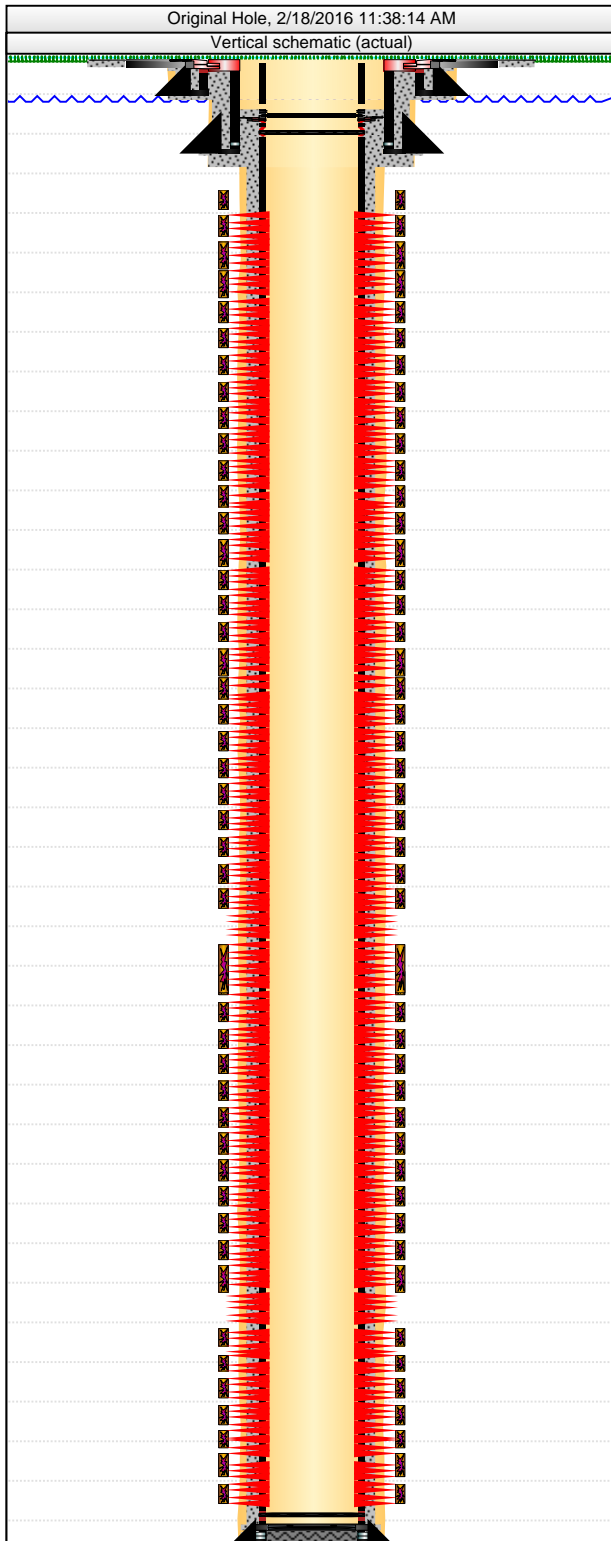


Perforations			
Date	Top (ftKB)	Btm (ftKB)	Linked Zone
12/11/2015	11,776.0	11,778.0	Niobrara, Original Hole
12/11/2015	11,807.0	11,809.0	Niobrara, Original Hole
12/11/2015	11,839.0	11,841.0	Niobrara, Original Hole
12/11/2015	11,870.0	11,872.0	Niobrara, Original Hole
12/10/2015	11,960.0	11,962.0	Niobrara, Original Hole
12/10/2015	11,991.0	11,993.0	Niobrara, Original Hole
12/10/2015	12,023.0	12,025.0	Niobrara, Original Hole
12/10/2015	12,054.0	12,056.0	Niobrara, Original Hole
12/10/2015	12,144.0	12,146.0	Niobrara, Original Hole
12/10/2015	12,176.0	12,178.0	Niobrara, Original Hole
12/10/2015	12,207.0	12,209.0	Niobrara, Original Hole
12/10/2015	12,238.0	12,240.0	Niobrara, Original Hole
12/10/2015	12,328.0	12,330.0	Niobrara, Original Hole
12/10/2015	12,360.0	12,362.0	Niobrara, Original Hole
12/10/2015	12,391.0	12,393.0	Niobrara, Original Hole
12/10/2015	12,423.0	12,425.0	Niobrara, Original Hole
12/10/2015	12,513.0	12,515.0	Niobrara, Original Hole
12/10/2015	12,544.0	12,546.0	Niobrara, Original Hole
12/10/2015	12,572.0	12,574.0	Niobrara, Original Hole
12/10/2015	12,607.0	12,609.0	Niobrara, Original Hole
12/10/2015	12,697.0	12,699.0	Niobrara, Original Hole
12/10/2015	12,728.0	12,730.0	Niobrara, Original Hole
12/10/2015	12,760.0	12,762.0	Niobrara, Original Hole
12/10/2015	12,791.0	12,793.0	Niobrara, Original Hole
12/10/2015	12,881.0	12,883.0	Niobrara, Original Hole
12/10/2015	12,912.0	12,914.0	Niobrara, Original Hole
12/10/2015	12,944.0	12,946.0	Niobrara, Original Hole
12/10/2015	12,975.0	12,977.0	Niobrara, Original Hole
12/10/2015	13,065.0	13,067.0	Niobrara, Original Hole
12/10/2015	13,097.0	13,099.0	Niobrara, Original Hole
12/10/2015	13,122.0	13,130.0	Niobrara, Original Hole
12/10/2015	13,159.0	13,161.0	Niobrara, Original Hole
12/10/2015	13,249.0	13,251.0	Niobrara, Original Hole
12/10/2015	13,281.0	13,283.0	Niobrara, Original Hole
12/10/2015	13,312.0	13,314.0	Niobrara, Original Hole
12/10/2015	13,344.0	13,346.0	Niobrara, Original Hole
12/9/2015	13,434.0	13,436.0	Niobrara, Original Hole
12/9/2015	13,465.0	13,467.0	Niobrara, Original Hole
12/9/2015	13,497.0	13,499.0	Niobrara, Original Hole
12/9/2015	13,528.0	13,530.0	Niobrara, Original Hole
12/9/2015	13,618.0	13,620.0	Niobrara, Original Hole
12/9/2015	13,649.0	13,651.0	Niobrara, Original Hole
12/9/2015	13,681.0	13,683.0	Niobrara, Original Hole
12/9/2015	13,712.0	13,714.0	Niobrara, Original Hole
12/9/2015	13,802.0	13,804.0	Niobrara, Original Hole
12/9/2015	13,834.0	13,836.0	Niobrara, Original Hole
12/9/2015	13,865.0	13,867.0	Niobrara, Original Hole
12/9/2015	13,896.0	13,898.0	Niobrara, Original Hole
12/9/2015	13,986.0	13,988.0	Niobrara, Original Hole
12/9/2015	14,018.0	14,020.0	Niobrara, Original Hole
12/9/2015	14,049.0	14,051.0	Niobrara, Original Hole

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Original KB Elevation (ft) 4,663.00	KB-Tubing Head Distance (ft)	Spud Date 3/10/2015 06:30	Rig Release Date 5/13/2015 06:00	PBTD (All)	Total Depth All (TVD) Original Hole - 6,946.5

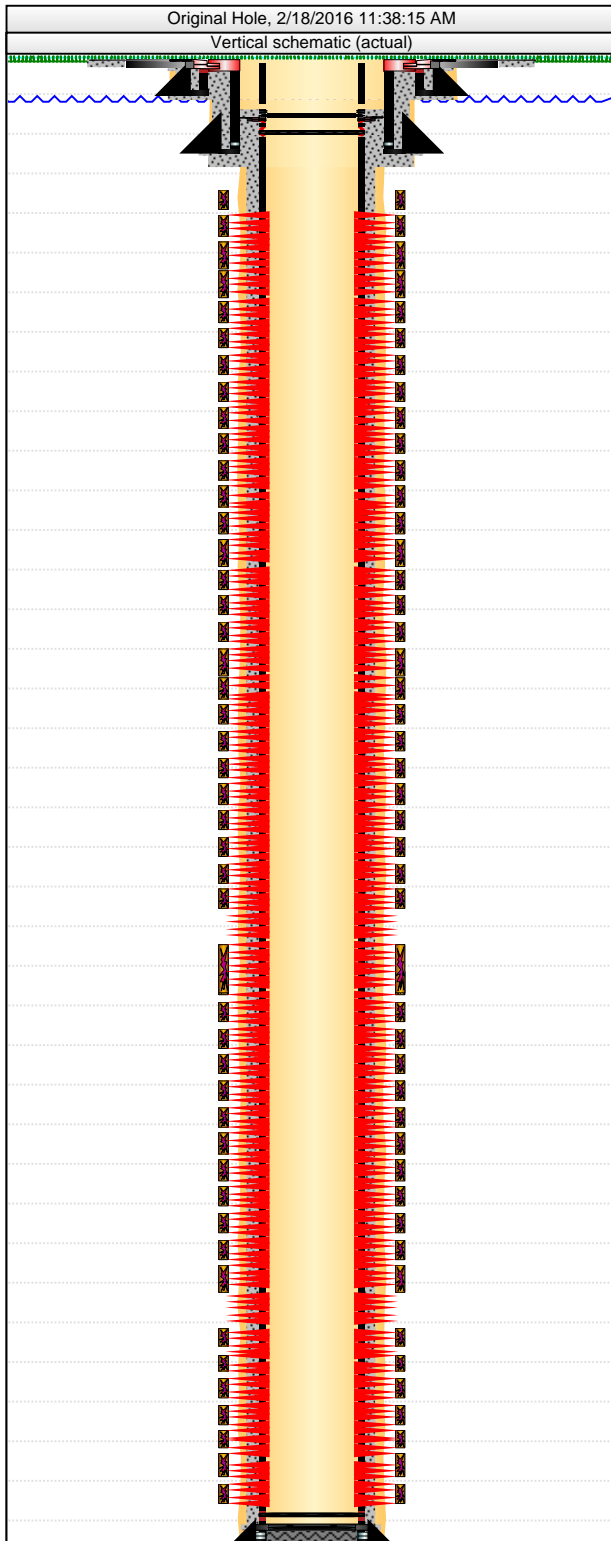


Perforations			
Date	Top (ftKB)	Btm (ftKB)	Linked Zone
12/9/2015	14,081.0	14,083.0	Niobrara, Original Hole
12/8/2015	14,171.0	14,173.0	Niobrara, Original Hole
12/8/2015	14,202.0	14,204.0	Niobrara, Original Hole
12/8/2015	14,233.0	14,235.0	Niobrara, Original Hole
12/8/2015	14,265.0	14,267.0	Niobrara, Original Hole
12/8/2015	14,355.0	14,357.0	Niobrara, Original Hole
12/8/2015	14,386.0	14,388.0	Niobrara, Original Hole
12/8/2015	14,418.0	14,420.0	Niobrara, Original Hole
12/8/2015	14,449.0	14,451.0	Niobrara, Original Hole
12/8/2015	14,539.0	14,541.0	Niobrara, Original Hole
12/8/2015	14,570.0	14,572.0	Niobrara, Original Hole
12/8/2015	14,602.0	14,604.0	Niobrara, Original Hole
12/8/2015	14,633.0	14,635.0	Niobrara, Original Hole
12/6/2015	14,723.0	14,725.0	Niobrara, Original Hole
12/6/2015	14,755.0	14,757.0	Niobrara, Original Hole
12/6/2015	14,786.0	14,788.0	Niobrara, Original Hole
12/6/2015	14,817.0	14,819.0	Niobrara, Original Hole
12/6/2015	14,907.0	14,909.0	Niobrara, Original Hole
12/6/2015	14,939.0	14,941.0	Niobrara, Original Hole
12/6/2015	14,970.0	14,972.0	Niobrara, Original Hole
12/6/2015	15,002.0	15,004.0	Niobrara, Original Hole
12/6/2015	15,096.0	15,098.0	Niobrara, Original Hole
12/6/2015	15,123.0	15,125.0	Niobrara, Original Hole
12/6/2015	15,154.0	15,156.0	Niobrara, Original Hole
12/6/2015	15,188.0	15,190.0	Niobrara, Original Hole
12/6/2015	15,276.0	15,278.0	Niobrara, Original Hole
12/6/2015	15,307.0	15,309.0	Niobrara, Original Hole
12/6/2015	15,339.0	15,341.0	Niobrara, Original Hole
12/6/2015	15,370.0	15,372.0	Niobrara, Original Hole
12/6/2015	15,429.0	15,462.0	Niobrara, Original Hole
12/6/2015	15,460.0	15,494.0	Niobrara, Original Hole
12/6/2015	15,523.0	15,525.0	Niobrara, Original Hole
12/6/2015	15,554.0	15,556.0	Niobrara, Original Hole
12/5/2015	15,644.0	15,646.0	Niobrara, Original Hole
12/5/2015	15,676.0	15,678.0	Niobrara, Original Hole
12/5/2015	15,707.0	15,709.0	Niobrara, Original Hole
12/5/2015	15,739.0	15,741.0	Niobrara, Original Hole
12/5/2015	15,829.0	15,831.0	Niobrara, Original Hole
12/5/2015	15,862.0	15,864.0	Niobrara, Original Hole
12/5/2015	15,891.0	15,893.0	Niobrara, Original Hole
12/5/2015	15,923.0	15,925.0	Niobrara, Original Hole
12/5/2015	16,013.0	16,015.0	Niobrara, Original Hole
12/5/2015	16,030.0	16,046.0	Niobrara, Original Hole
12/5/2015	16,045.0	16,078.0	Niobrara, Original Hole
12/5/2015	16,060.0	16,109.0	Niobrara, Original Hole
12/4/2015	16,106.0	16,124.0	Niobrara, Original Hole
12/4/2015	16,141.0	16,155.0	Niobrara, Original Hole
12/4/2015	16,178.0	16,187.0	Niobrara, Original Hole
12/4/2015	16,203.0	16,207.0	Niobrara, Original Hole
12/2/2015	16,285.0	16,287.0	Niobrara, Original Hole
12/2/2015	16,316.0	16,318.0	Niobrara, Original Hole

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Perforations								
Date	Top (ftKB)		Btm (ftKB)		Linked Zone			
12/2/2015	16,347.0		16,349.0		Niobrara, Original Hole			
12/2/2015	16,369.0		16,371.0		Niobrara, Original Hole			
Tubing Strings								
Tubing Description		Run Date		String Length (ft)		Set Depth (ftKB)		
Item Des		Jts	Make	Model	OD (in)	Wt (lb/ft)	Grade	Len (ft)
Rod Strings								
Rod Description		Run Date		String Length (ft)		Set Depth (ftKB)		
Item Des		Jts	Make	Model	OD (in)	Wt (lb/ft)	Grade	Len (ft)