

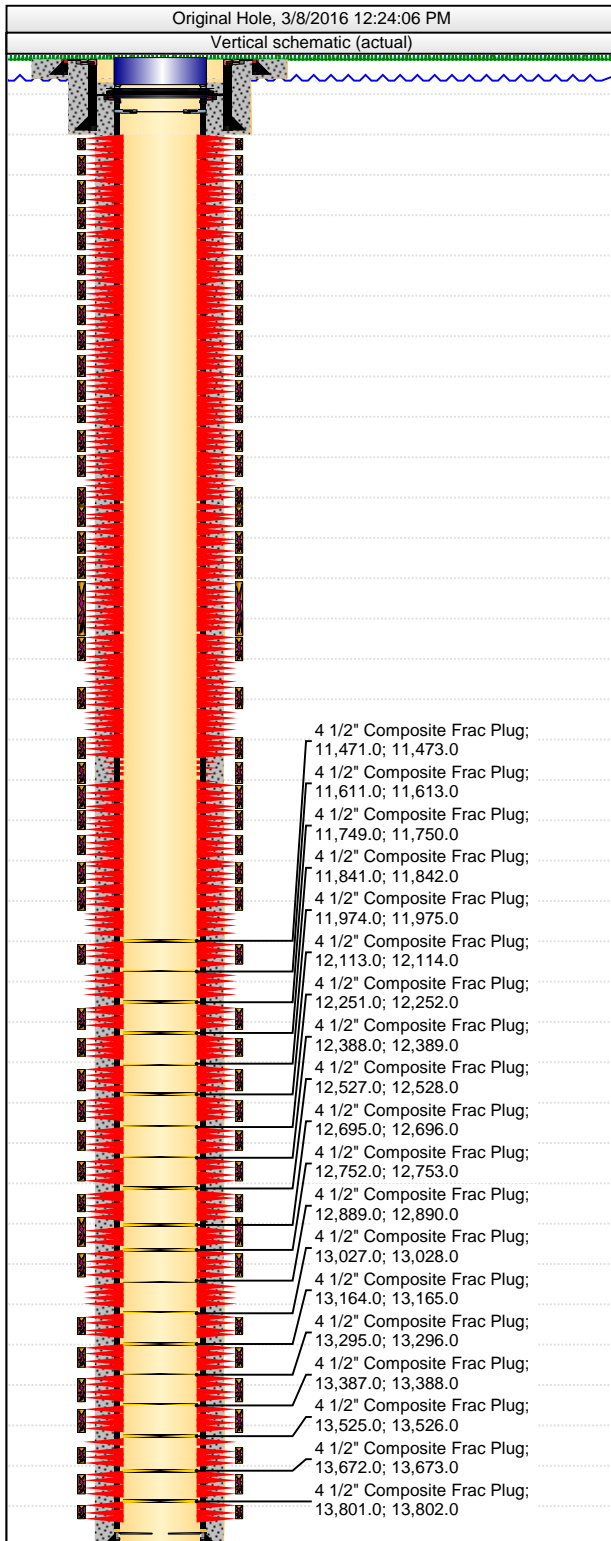
Downhole Well Profile

Well Name: Arellano M-10-9HC

API/UWI 05-123-41107	Surface Legal Location	Field Name wattenberg	License #	State/Province	Well Configuration Type
Original KB Elevation (ft) 4,639.00	KB-Tubing Head Distance (ft)	Spud Date 3/28/2015 13:30	Rig Release Date	PBTD (All)	Total Depth All (TVD) Original Hole - 7,026.9

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	LT&C	791.5
Intermediate	7	29.00	P-110	Buttress Thread	7,375.8
Production	4 1/2	13.50			14,026.0

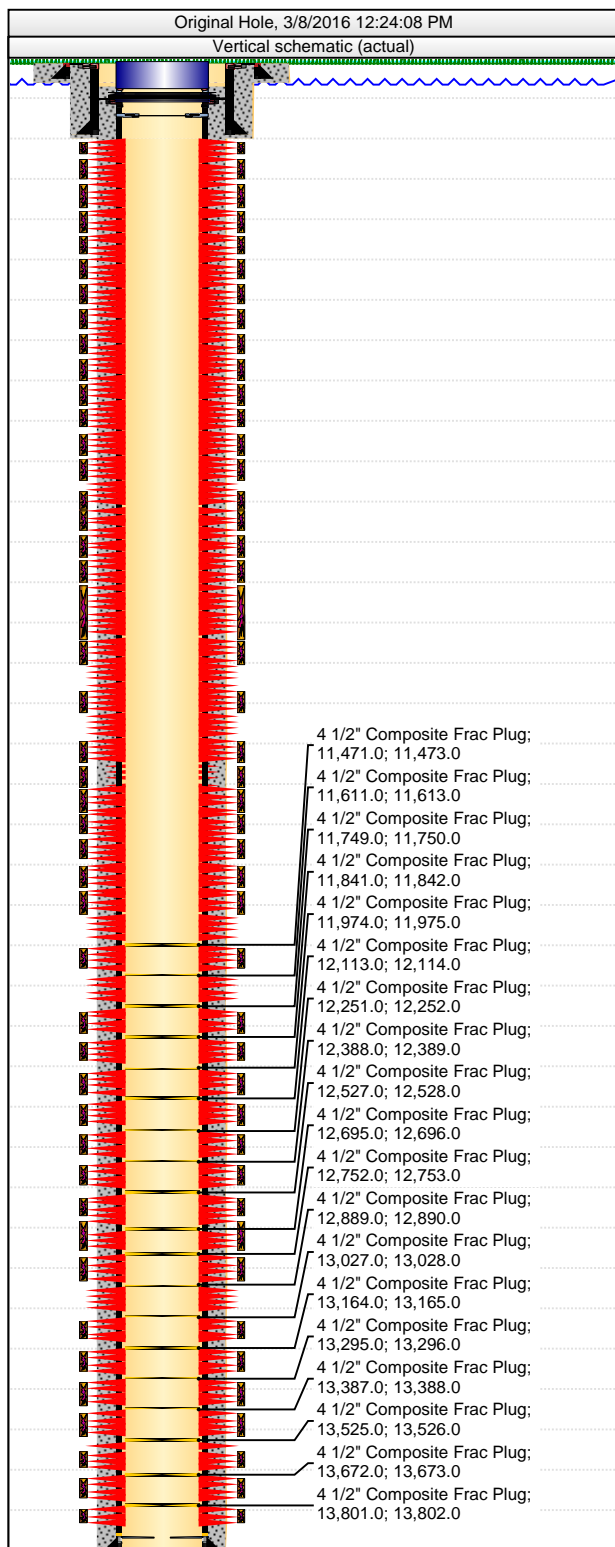
Perforations

Date	Top (ftKB)	Btm (ftKB)	Linked Zone
2/11/2016	7,411.0	7,413.0	
2/11/2016	7,424.0	7,426.0	
2/11/2016	7,440.0	7,442.0	
2/11/2016	7,527.0	7,529.0	
2/11/2016	7,540.0	7,542.0	
2/11/2016	7,553.0	7,555.0	
2/11/2016	7,566.0	7,568.0	
2/11/2016	7,656.0	7,658.0	
2/11/2016	7,665.0	7,667.0	
2/11/2016	7,682.0	7,684.0	
2/11/2016	7,695.0	7,697.0	
2/10/2016	7,785.0	7,787.0	
2/10/2016	7,798.0	7,800.0	
2/10/2016	7,811.0	7,813.0	
2/10/2016	7,824.0	7,826.0	
2/10/2016	7,914.0	7,916.0	
2/10/2016	7,927.0	7,929.0	
2/10/2016	7,940.0	7,942.0	
2/10/2016	7,953.0	7,955.0	
2/10/2016	8,043.0	8,045.0	
2/10/2016	8,056.0	8,058.0	
2/10/2016	8,069.0	8,071.0	
2/10/2016	8,080.0	8,082.0	
2/10/2016	8,172.0	8,174.0	
2/10/2016	8,185.0	8,187.0	
2/10/2016	8,198.0	8,200.0	
2/10/2016	8,211.0	8,213.0	
2/10/2016	8,300.0	8,302.0	
2/10/2016	8,314.0	8,316.0	
2/10/2016	8,327.0	8,329.0	
2/10/2016	8,340.0	8,342.0	
2/10/2016	8,430.0	8,432.0	
2/10/2016	8,443.0	8,445.0	
2/10/2016	8,456.0	8,458.0	
2/10/2016	8,469.0	8,471.0	
2/10/2016	8,559.0	8,561.0	
2/10/2016	8,572.0	8,574.0	
2/10/2016	8,585.0	8,587.0	
2/10/2016	8,598.0	8,600.0	
2/10/2016	8,688.0	8,690.0	
2/10/2016	8,701.0	8,703.0	
2/10/2016	8,712.0	8,714.0	
2/10/2016	8,727.0	8,729.0	
2/1/2016	8,817.0	8,820.0	
2/1/2016	8,830.0	8,833.0	

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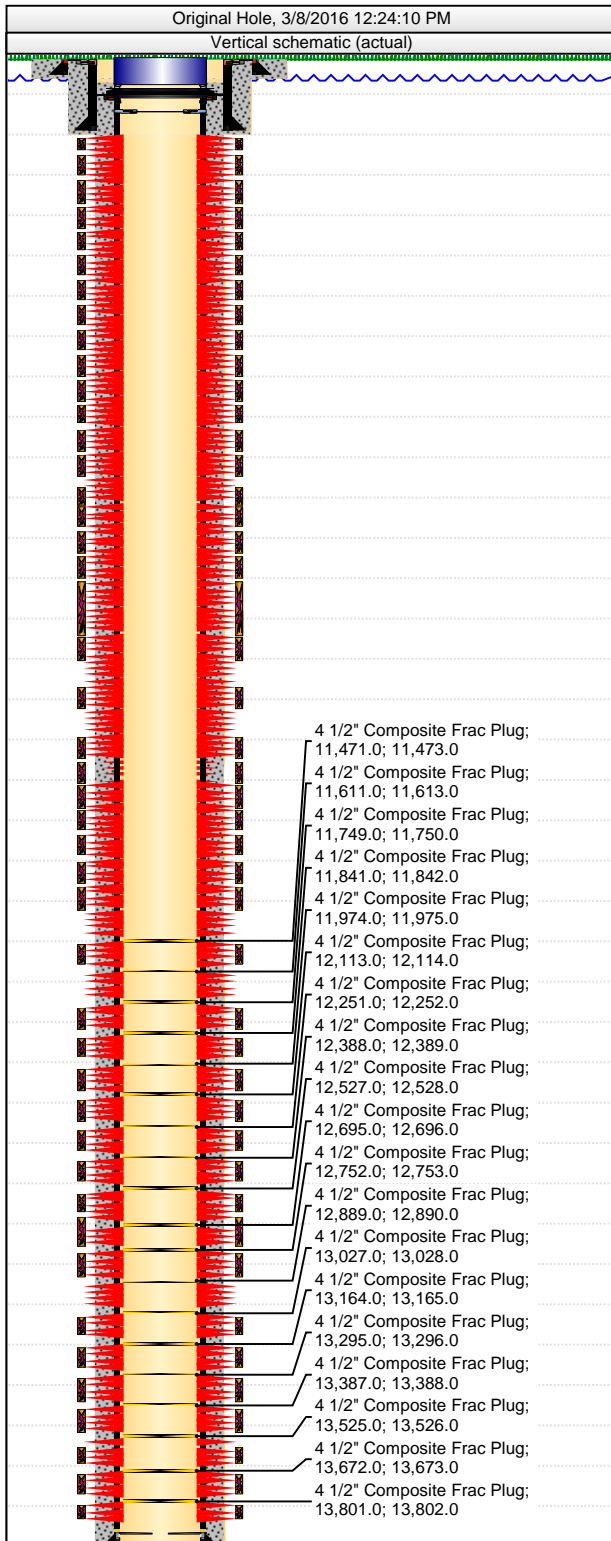


Perforations			
Date	Top (ftKB)	Btm (ftKB)	Linked Zone
2/1/2016	8,843.0	8,846.0	
2/1/2016	8,856.0	8,859.0	
2/1/2016	8,947.0	8,949.0	
2/1/2016	8,959.0	8,961.0	
2/1/2016	8,972.0	8,974.0	
2/1/2016	8,984.0	8,986.0	
2/1/2016	9,074.0	9,076.0	
2/1/2016	9,087.0	9,089.0	
2/1/2016	9,100.0	9,102.0	
2/1/2016	9,113.0	9,115.0	
1/31/2016	9,203.0	9,205.0	
1/31/2016	9,214.0	9,216.0	
1/31/2016	9,229.0	9,231.0	
1/31/2016	9,242.0	9,244.0	
1/31/2016	9,332.0	9,334.0	
1/31/2016	9,345.0	9,347.0	
1/31/2016	9,358.0	9,360.0	
1/31/2016	9,371.0	9,373.0	
1/31/2016	9,461.0	9,463.0	
1/31/2016	9,474.0	9,476.0	
1/31/2016	9,485.0	9,487.0	
1/31/2016	9,500.0	9,502.0	
1/31/2016	9,590.0	9,592.0	
1/31/2016	9,603.0	9,605.0	
1/31/2016	9,616.0	9,618.0	
1/31/2016	9,630.0	9,632.0	
1/30/2016	9,720.0	9,722.0	
1/30/2016	9,732.0	9,734.0	
1/30/2016	9,745.0	9,747.0	
1/30/2016	9,758.0	9,760.0	
1/30/2016	9,848.0	9,850.0	
1/30/2016	9,864.0	9,866.0	
1/30/2016	9,874.0	9,876.0	
1/30/2016	9,887.0	9,889.0	
1/26/2016	9,977.0	9,978.0	
1/26/2016	9,992.0	9,994.0	
1/26/2016	10,003.0	10,005.0	
1/26/2016	10,016.0	10,018.0	
1/25/2016	10,106.0	10,108.0	
1/25/2016	10,119.0	10,121.0	
1/25/2016	10,132.0	10,134.0	
1/25/2016	10,145.0	10,147.0	
1/25/2016	10,235.0	10,237.0	
1/25/2016	10,248.0	10,250.0	
1/25/2016	10,257.0	10,259.0	
1/25/2016	10,274.0	10,276.0	
1/25/2016	10,364.0	10,366.0	
1/25/2016	10,377.0	10,379.0	
1/25/2016	10,390.0	10,392.0	
1/25/2016	10,403.0	10,405.0	
1/25/2016	10,493.0	10,495.0	

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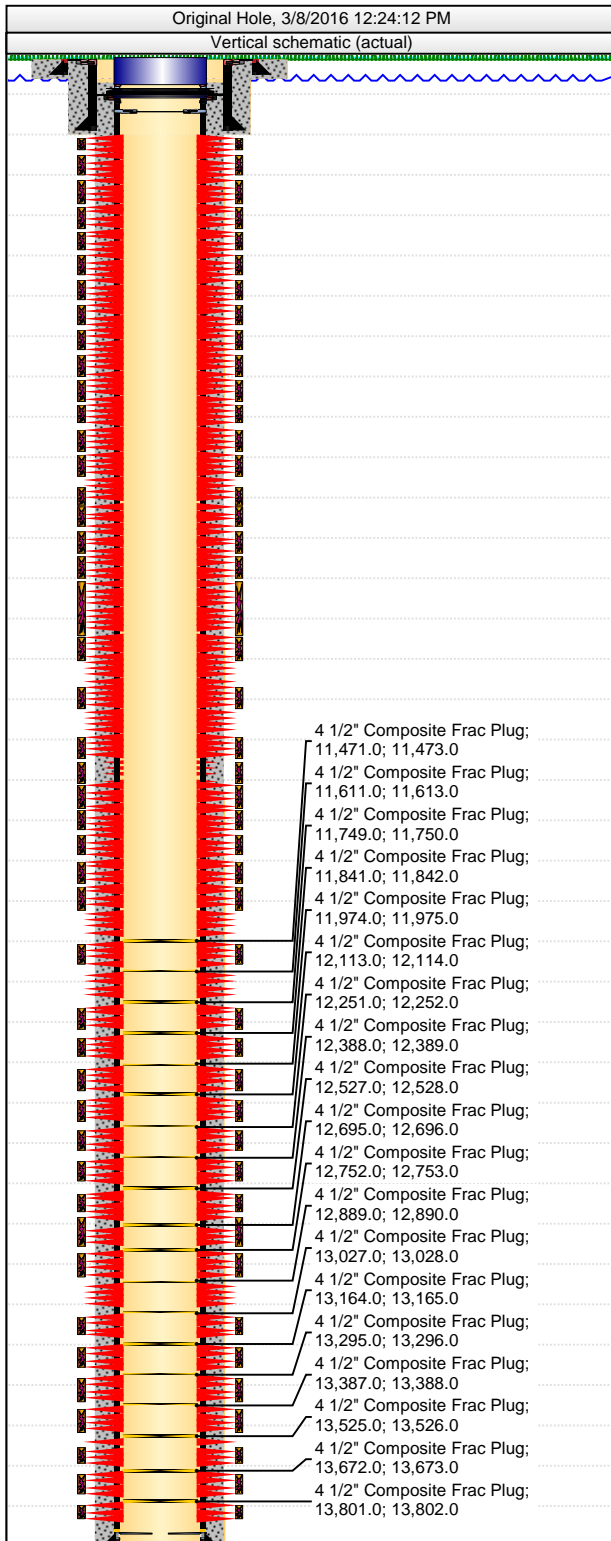


Perforations			
Date	Top (ftKB)	Btm (ftKB)	Linked Zone
1/25/2016	10,506.0	10,508.0	
1/25/2016	10,519.0	10,521.0	
1/25/2016	10,528.0	10,530.0	
1/25/2015	10,620.0	10,622.0	
1/25/2015	10,635.0	10,637.0	
1/25/2015	10,648.0	10,650.0	
1/25/2015	10,661.0	10,663.0	
1/24/2016	10,751.0	10,753.0	
1/24/2016	10,768.0	10,770.0	
1/24/2016	10,777.0	10,779.0	
1/24/2016	10,790.0	10,792.0	
1/24/2016	10,880.0	10,883.0	
1/24/2016	10,886.0	10,889.0	
1/24/2016	10,906.0	10,909.0	
1/24/2016	10,919.0	10,922.0	
1/24/2016	11,009.0	11,011.0	
1/24/2016	11,022.0	11,024.0	
1/24/2016	11,035.0	11,037.0	
1/24/2016	11,048.0	11,050.0	
1/24/2016	11,138.0	11,140.0	
1/24/2016	11,151.0	11,153.0	
1/24/2016	11,164.0	11,166.0	
1/24/2016	11,177.0	11,179.0	
1/24/2016	11,267.0	11,269.0	
1/24/2016	11,280.0	11,284.0	
1/24/2016	11,293.0	11,295.0	
1/24/2016	11,305.0	11,307.0	
1/23/2016	11,396.0	11,399.0	
1/23/2016	11,409.0	11,412.0	
1/23/2016	11,422.0	11,425.0	
1/23/2016	11,435.0	11,438.0	
1/23/2016	11,525.0	11,527.0	
1/23/2016	11,536.0	11,538.0	
1/23/2016	11,551.0	11,553.0	
1/23/2016	11,564.0	11,566.0	
1/23/2016	11,654.0	11,656.0	
1/23/2016	11,667.0	11,669.0	
1/23/2016	11,682.0	11,684.0	
1/23/2016	11,693.0	11,695.0	
1/23/2016	11,783.0	11,785.0	
1/23/2016	11,796.0	11,798.0	
1/23/2016	11,809.0	11,811.0	
1/23/2016	11,822.0	11,824.0	
1/22/2016	11,914.0	11,916.0	
1/22/2016	11,925.0	11,927.0	
1/22/2016	11,938.0	11,940.0	
1/22/2016	11,954.0	11,956.0	
1/22/2016	12,040.0	12,042.0	
1/22/2016	12,054.0	12,056.0	
1/22/2016	12,067.0	12,069.0	
1/22/2016	12,080.0	12,082.0	

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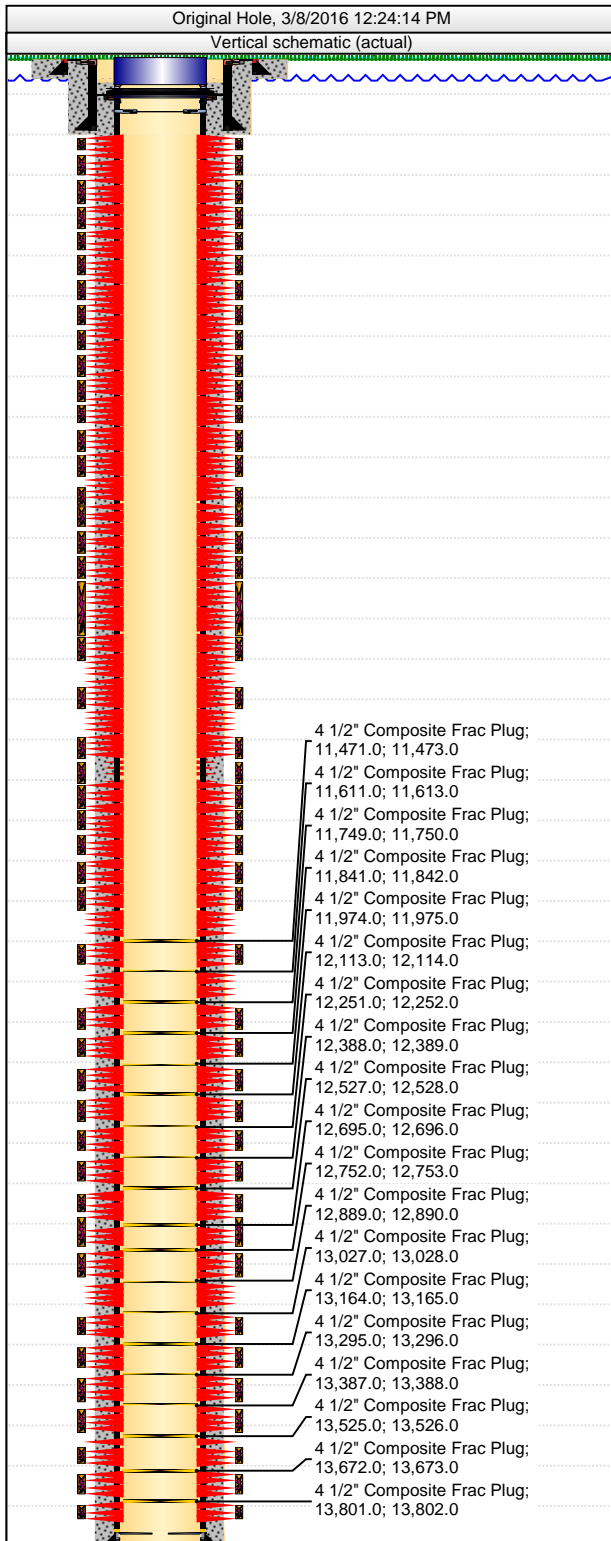


Perforations			
Date	Top (ftKB)	Btm (ftKB)	Linked Zone
1/22/2016	12,170.0	12,172.0	
1/22/2016	12,185.0	12,187.0	
1/22/2016	12,196.0	12,198.0	
1/22/2016	12,209.0	12,211.0	
1/22/2016	12,299.0	12,301.0	
1/22/2016	12,311.0	12,313.0	
1/22/2016	12,324.0	12,326.0	
1/22/2016	12,337.0	12,339.0	
1/21/2016	12,427.0	12,429.0	
1/21/2016	12,440.0	12,442.0	
1/21/2016	12,453.0	12,455.0	
1/21/2016	12,466.0	12,468.0	
1/21/2016	12,556.0	12,558.0	
1/21/2016	12,569.0	12,571.0	
1/21/2016	12,582.0	12,584.0	
1/21/2016	12,595.0	12,597.0	
1/21/2016	12,685.0	12,687.0	
1/21/2016	12,698.0	12,700.0	
1/21/2016	12,711.0	12,713.0	
1/21/2016	12,724.0	12,726.0	
1/21/2016	12,814.0	12,816.0	
1/21/2016	12,827.0	12,829.0	
1/21/2016	12,840.0	12,842.0	
1/21/2016	12,853.0	12,855.0	
1/21/2016	12,943.0	12,945.0	
1/21/2016	12,954.0	12,956.0	
1/21/2016	12,969.0	12,971.0	
1/21/2016	12,982.0	12,984.0	
1/20/2016	13,072.0	13,074.0	
1/20/2016	13,085.0	13,087.0	
1/20/2016	13,098.0	13,100.0	
1/20/2016	13,111.0	13,113.0	
1/20/2016	13,201.0	13,203.0	
1/20/2016	13,214.0	13,216.0	
1/20/2016	13,227.0	13,229.0	
1/20/2016	13,240.0	13,242.0	
1/19/2016	13,330.0	13,332.0	
1/19/2016	13,343.0	13,345.0	
1/19/2016	13,356.0	13,357.0	
1/19/2016	13,369.0	13,371.0	
1/19/2016	13,459.0	13,461.0	
1/19/2016	13,472.0	13,474.0	
1/19/2016	13,485.0	13,487.0	
1/19/2016	13,498.0	13,500.0	
1/19/2016	13,558.0	13,560.0	
1/19/2016	13,601.0	13,603.0	
1/19/2016	13,614.0	13,616.0	
1/19/2016	13,627.0	13,629.0	
1/19/2016	13,717.0	13,719.0	
1/19/2016	13,730.0	13,732.0	
1/19/2016	13,743.0	13,745.0	

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Perforations								
Date	Top (ftKB)		Btm (ftKB)		Linked Zone			
1/19/2016	13,756.0		13,758.0					
9/15/2015	13,813.0		13,816.0					
9/15/2015	13,850.0		13,853.0					
9/15/2015	13,887.0		13,890.0					
Tubing Strings								
Tubing Description		Run Date		String Length (ft)		Set Depth (ftKB)		
Tie Back String		8/13/2015		6,478.40		6,499.4		
Item Des		Jts	Make	Model	OD (in)	Wt (lb/ft)	Grade	Len (ft)
Tubing		15 3		T&C Upset	4 1/2	13.50	P-110	6,458 .80
Tubing Pup Joint		1			0.0	13.50	P-110	5.08
Seal Assembly		1			5 1/4	17.00	P-110	14.52
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)