Schematic - Form 5A

Well Name: Bernhardt Farms 13W-403

API	Spud Date	Field Name	Surface Legal Location	State
05123388300000	3/30/2015	Wattenberg	NESE 13 4N 67W	CO

Horizontal - Original Hole, 7/23/2018 4:22:17 PM

MD (ftKB)	Vertical schematic (actual)
11.8	Wellhead; 13.0; 3.00
16.1	Casing Hanger; 13.0; 4.00
931.1	Surface Casing Cement; 13.0-932.0
	Casing Joints; 16.0; 914.98
	Guide Shoe; 931.0; 1.00
941.9	Casing Joints; 17.0; 7,684.99
	Intermediate Casing Cement; 13.0-7,756.0
	PBR; 6,634.0; 16.34
6,650.3	Liner Top Packer; 6,650.4; 3.40
6,659.4	Liner Hanger; 6,653.8; 5.70
7,116.8	Cross Over; 6,659.5; 0.70
7,247.7	
7,249.7	
7,286.1	
7,289.7	Casing Joints; 6,660.2; 1,572.99
7,703.4	Float Collar; 7,702.0; 1.50
7,744.4	Casing Joints; 7,703.5; 40.97
	Float Shoe; 7,744.5; 1.50
7,755.9	
7,953.1	Perforated Cluster; 7,821.0-7,953.0
8,149.9	Perforated Cluster; 8,021.0-8,150.0
8,233.3	Casing Pup Joint; 8,233.2; 20.78
8,351.0	Perforated Cluster; 8,222.0-8,351.0
8,546.9	Perforated Cluster; 8,421.0-8,547.0
8,753.0	Perforated Cluster; 8,624.0-8,753.0
8,954.1	Perforated Cluster; 8,825.0-8,954.0
9,153.9	Perforated Cluster; 9,025.0-9,154.0
9,355.0	Perforated Cluster; 9,226.0-9,355.0
9,556.1	Perforated Cluster; 9,429.0-9,556.0
9,756.9	Perforated Cluster; 9,628.0-9,757.0
	Casing Joints; 8,253.9; 2,822.85
9,957.0	Perforated Cluster; 9,829.0-9,957.0
10,158.1	Perforated Cluster; 10,029.0-10,158.0
10,360.9	Perforated Cluster; 10,230.0-10,361.0
	Perforated Cluster; 10,431.0-10,562.0
10,562.0	Liner Cement; 6,634.1-14,376.0
10,761.2	Perforated Cluster; 10,638.0-10,761.0
10,961.0	Perforated Cluster; 10,833.0-10,961.0
11,076.8	Casing Pup Joint; 11,076.8; 20.64
11,162.1	Perforated Cluster; 11,033.0-11,162.0
11,359.9	Perforated Cluster; 11,234.0-11,360.0
11,564.0	Perforated Cluster; 11,435.0-11,564.0
11,765.1	Perforated Cluster; 11,636.0-11,765.0
11,992.1	Perforated Cluster; 11,898.0-11,992.0
12,139.1	Perforated Cluster; 12,046.0-12,139.0
12,433.1	Perforated Cluster; 12,340.0-12,433.0
12,581.0	Perforated Cluster; 12,487.0-12,581.0
	Casing Joints; 11,097.4; 2,771.86
12,728.0	Perforated Cluster; 12,635.0-12,728.0
12,870.1	Perforated Cluster; 12,782.0-12,870.0
13,022.0	Perforated Cluster; 12,929.0-13,022.0
13,169.9	Perforated Cluster; 13,076.0-13,170.0
13,316.9	Perforated Cluster; 13,224.0-13,317.0
13,463.9	Perforated Cluster; 13,371.0-13,464.0
13,610.9	Perforated Cluster; 13,518.0-13,611.0
13,757.9	Perforated Cluster; 13,665.0-13,758.0
13,869.4	Perforated Cluster; 13,814.0-13,906.0
	Casing Pup Joint; 13,869.3; 20.65
13,905.8	
14,055.1	Perforated Cluster; 13,964.0-14,055.0
14,200.1	Perforated Cluster; 14,107.0-14,200.0
	Casing Joints; 13,889.9; 456.45
14,337.9	Perforated Cluster; 14,209.0-14,338.0
	Landing - Collar; 14,346.4; 1.54
14,348.1	Float Collar; 14,347.9; 1.07
14,370.1	Casing Pup Joint; 14,349.0; 20.99
	Float Shoe; 14,370.0; 2.00
14,376.0	