



Schematic - Form 5A

Well Name: LDS 1V-304

API 05123411270000	Spud Date 12/7/2015	Field Name Wattenberg	Surface Legal Location NENE 1 5N 65W	State CO
Horizontal - Original Hole, 4/12/2018 2:52:50 PM				
MD (ftKB)	Vertical schematic (actual)			
13.1				
21.0	Surface Casing Cement; 13.0-939.1		Casing Hanger; 13.0; 1.00	
938.0			Casing Pup Joint; 14.0; 4.00	
6,150.9	Intermediate Casing Cement; 13.0-7,176.0		WELLHEAD/PUP; 13.0; 7.84	
6,176.2			Casing Joints; 20.9; 875.64	
6,757.5			Float Collar; 896.5; 1.60	
6,856.6			Casing Joints; 898.1; 40.00	
6,896.0			Guide Shoe; 938.1; 1.00	
7,131.9			Casing Joints; 18.0; 7,113.72	
7,175.9			PBR; 6,150.8; 16.34	
7,315.9	Perforated Cluster; 7,206.0-7,316.0		Liner Packer; 6,167.2; 3.40	
7,542.0	Perforated Cluster; 7,370.0-7,485.0		Liner Hanger; 6,170.6; 5.70	
7,686.7	Perforated Cluster; 7,542.0-7,654.0		Cross Over; 6,176.3; 0.73	
7,878.9	Perforated Cluster; 7,711.0-7,821.0			
8,158.1	Perforated Cluster; 7,879.0-7,989.0		Casing Joints; 6,177.0; 1,489.77	
8,383.9	Perforated Cluster; 8,047.0-8,158.0		Float Collar; 7,131.7; 1.50	
8,662.1	Perforated Cluster; 8,215.0-8,326.0		Casing Joints; 7,133.2; 41.26	
8,884.8	Perforated Cluster; 8,384.0-8,495.0		Float Shoe; 7,174.5; 1.50	
9,167.0	Perforated Cluster; 8,552.0-8,662.0			
9,393.0	Perforated Cluster; 8,718.0-8,830.0			
9,670.9	Perforated Cluster; 8,885.0-8,998.0			
9,897.0	Perforated Cluster; 9,050.0-9,167.0			
10,175.9	Perforated Cluster; 9,227.0-9,336.0			
10,401.9	Perforated Cluster; 9,393.0-9,503.0			
10,586.3	Perforated Cluster; 9,561.0-9,671.0			
10,735.9	Perforated Cluster; 9,729.0-9,839.0			
11,017.1	Perforated Cluster; 9,897.0-10,007.0			
11,243.1	Liner Cement; 6,150.8-13,975.1			
11,522.0	Perforated Cluster; 10,066.0-10,176.0			
11,745.1	Perforated Cluster; 10,234.0-10,344.0			
12,024.9	Perforated Cluster; 10,402.0-10,509.0			
12,250.0	Perforated Cluster; 10,570.0-10,681.0			
12,532.2	Perforated Cluster; 10,736.0-10,849.0			
12,754.9	Perforated Cluster; 10,910.0-11,017.0			
13,035.1	Perforated Cluster; 11,079.0-11,185.0			
13,258.9	Perforated Cluster; 11,243.0-11,353.0			
13,505.2	Perforated Cluster; 11,411.0-11,522.0			
13,596.1	Perforated Cluster; 11,579.0-11,689.0			
13,788.1	Perforated Cluster; 11,745.0-11,857.0			
13,859.9	Perforated Cluster; 11,914.0-12,025.0			
13,908.5	Perforated Cluster; 12,082.0-12,200.0			
13,953.4	Perforated Cluster; 12,250.0-12,364.0			
13,984.9	Perforated Cluster; 12,418.0-12,532.0			
	Perforated Cluster; 12,586.0-12,701.0			
	Perforated Cluster; 12,755.0-12,869.0			
	Perforated Cluster; 12,923.0-13,035.0			
	Perforated Cluster; 13,091.0-13,203.0			
	Perforated Cluster; 13,259.0-13,373.0			
	Perforated Cluster; 13,427.0-13,542.0			
	Perforated Cluster; 13,596.0-13,708.0			
	Perforated Cluster; 13,761.0-13,788.0			
			Marker Joint; 7,666.8; 19.93	
			Casing Joints; 7,686.7; 2,899.63	
			Marker Joint; 10,586.3; 19.92	
			Casing Joints; 10,606.3; 2,898.97	
			Marker Joint; 13,505.2; 19.91	
			Casing Joints; 13,525.1; 289.94	
			Toe Sleeve; 13,815.1; 3.48	
			Casing Joints; 13,818.5; 41.47	
			Toe Sleeve; 13,860.0; 3.48	
			Casing Joints; 13,863.5; 41.45	
			Toe Sleeve; 13,905.0; 3.48	
			Casing Joints; 13,908.4; 41.44	
			Landing Collar; 13,949.9; 1.53	
			Float Collar; 13,951.4; 2.14	
			Marker Joint; 13,953.5; 19.92	
			Float Shoe; 13,973.5; 1.64	