



Schematic - Current

Well Name: BILLINGS 3H-18H L368

API # 05123368920000	Well Type Gas	Operating Region Western Ops	Division DJ Basin	Area Wattenberg	Pad Billings 18H -L368	County/Parish Weld	State CO	Field Name Wattenberg
Operator		Well Status	Orig KB El...	Gr Elev (ft)	KB-Grd (ft)	Total Depth (All) (ftKB)	Total Depth (TVD) (ftKB)	PBTD (All) (ftKB)

Most Recent Job

Job Category Drilling	Primary Job Type New Drill	Secondary Job Type D&C	Start Date 10/04/2014	End Date
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TD: 14,190.0

Directional Horizontal Well - Original Hole, 04/21/2015 2:33:01 PM

MD (ftKB)	TVD (ftKB)	Incl (°)	DLS	Vertical schematic (actual)
			DLS (°/...	
28.9	28.9	0.2		1-2; Tubing Hanger; 4 1/16; 1.960; 30.0-30.9; 0.85
34.4	34.4	0.2		3-1; Landing JT; 7; 6.276; 30.0-34.5; 37.00
330.1	329.9	3.2		2-2; pup jt; 9 5/8; 8.921; 31.4-38.9; 7.50
960.0	951.7	12.9		3-2; Hanger; 7; 6.276; 34.5-38.5; 4.00
6,583.3	6,375.3	18.0		1-1; Casing Joints; 16; 15.250; 30.0-155.0; 126.00
7,053.1	6,779.8	38.8		2-3; Casing Joints; 9 5/8; 8.921; 38.9-913.1; 874.19
7,397.0	7,006.1	59.8		2-4; Float Collar; 9 5/8; 8.921; 913.1-914.6; 1.50
7,655.2	7,103.4	76.6		2-5; Casing Joints; 9 5/8; 8.921; 914.6-958.5; 43.88
7,747.0	7,119.0	82.4		2-6; Float Shoe; 9 5/8; 8.921; 958.5-960.0; 1.50
7,876.0	7,131.6	86.3		1-3; Tubing; 2 3/8; 1.995; 30.9-6,787.8; 6,756.91
8,093.8	7,141.3	87.9		3-3; Casing Joints; 7; 6.276; 38.5-7,655.1; 7,616.60
8,325.1	7,146.4	88.4		1-4; X-Nipple; 2 3/8; 1.875; 6,787.8-6,788.7; 0.93
8,633.9	7,151.5	89.2		1-5; Tubing; 2 3/8; 1.995; 6,788.7-7,363.5; 574.85
8,937.0	7,155.9	88.3		1-6; Saver Sub; 2 3/8; 1.991; 7,363.6-7,364.7; 1.10
9,240.2	7,160.9	89.8		1-7; Tubing; 2 3/8; 1.995; 7,364.7-7,396.9; 32.30
9,543.0	7,166.5	88.7		1-8; XN-Nipple; 2 3/8; 1.811; 7,396.9-7,398.0; 1.05
9,743.1	7,169.7	89.3		1-9; Burst disk; 2 3/8; 1.810; 7,398.0-7,398.8; 0.80
10,045.9	7,165.1	90.3		1-10; Mule Shoe; 2 3/8; 1.991; 7,398.8-7,399.2; 0.40
10,349.1	7,165.3	89.2		3-4; Float Collar; 7; 6.276; 7,655.1-7,656.6; 1.50
10,651.9	7,166.0	88.1		3-5; Casing Joints; 7; 6.276; 7,656.6-7,745.0; 88.40
10,955.1	7,175.2	87.7		3-6; Float Shoe; 7; 6.276; 7,745.0-7,747.0; 2.00
11,257.9	7,194.6	85.5		Perforated; 7,775.0-7,786.0; 01/31/2015
11,561.0	7,209.6	87.2		Perforated; 7,925.0-8,028.0; 01/31/2015
11,815.9	7,224.0	86.5		Perforated; 8,076.0-8,179.0; 01/31/2015
12,118.1	7,239.7	88.4		Perforated; 8,228.0-8,325.0; 01/31/2015
12,421.9	7,242.0	89.4		Perforated; 8,382.0-8,482.0; 01/31/2015
12,724.1	7,249.1	89.3		Perforated; 8,531.0-8,634.0; 01/30/2015
13,028.9	7,255.8	87.8		Perforated; 8,682.0-8,785.0; 01/30/2015
13,330.1	7,271.4	86.9		Perforated; 8,839.0-8,937.0; 01/30/2015
13,634.8	7,279.8	89.2		Perforated; 8,985.0-9,088.0; 01/30/2015
13,936.0	7,289.8	88.8		Perforated; 9,137.0-9,240.0; 01/30/2015
14,089.9	7,290.2	90.9		Perforated; 9,288.0-9,390.0; 01/30/2015
14,139.4	7,289.2	91.6		Perforated; 9,444.0-9,543.0; 01/30/2015
				Perforated; 9,591.0-9,694.0; 01/30/2015
				Perforated; 9,743.0-9,846.0; 01/29/2015
				Perforated; 9,893.0-9,999.0; 01/29/2015
				Perforated; 10,046.0-10,149.0; 01/29/2015
				Perforated; 10,197.0-10,300.0; 01/29/2015
				Perforated; 10,349.0-10,452.0; 01/29/2015
				Perforated; 10,500.0-10,605.0; 01/29/2015
				Perforated; 10,652.0-10,755.0; 01/29/2015
				Perforated; 10,803.0-10,906.0; 01/29/2015
				Perforated; 10,955.0-11,058.0; 01/28/2015
				Perforated; 11,106.0-11,206.0; 01/28/2015
				Perforated; 11,258.0-11,361.0; 01/28/2015
				Perforated; 11,409.0-11,512.0; 01/28/2015
				Perforated; 11,561.0-11,664.0; 01/28/2015
				Perforated; 11,710.0-11,816.0; 01/28/2015
				Perforated; 11,864.0-11,967.0; 01/28/2015
				Perforated; 12,015.0-12,118.0; 01/27/2015
				Perforated; 12,167.0-12,270.0; 01/27/2015
				Perforated; 12,318.0-12,422.0; 01/27/2015
				Perforated; 12,470.0-12,573.0; 01/26/2015
				Perforated; 12,621.0-12,724.0; 01/26/2015
				Perforated; 12,773.0-12,876.0; 01/26/2015
				Perforated; 12,924.0-13,029.0; 01/26/2015
				Perforated; 13,076.0-13,179.0; 01/26/2015
				Perforated; 13,227.0-13,330.0; 01/25/2015
				Perforated; 13,379.0-13,482.0; 01/25/2015
				Perforated; 13,530.0-13,635.0; 01/25/2015
				Perforated; 13,682.0-13,785.0; 01/25/2015
				Perforated; 13,833.0-13,936.0; 01/24/2015
				Slotted Liner; 14,084.0-14,087.0; 01/06/2015