

PIONEER

NATURAL RESOURCES

Well Name: Pencil 32-20

Schematic - Current

TD: 1,880.0

API/UVI 05-071-09380-0000	Surface Legal Location SW/NE Sec.20-T33S-R66W	Lease Name	Field Name RATON-SPANISH PEAKS	State COLORADO
Well Profile VERTICAL	Original KB Elevation (ft) 7,165.00	KB-Ground Distance (ft) 9.00	KB-Casing Flange Distance (ft)	KB-Tubing Head Distance (ft)

Most Recent Job

Job Category WELL SERVICE	Primary Job Type WELL SERVICE	Secondary Job Type ABANDON ZONE	Start Date 7/30/2016	End Date 8/3/2016
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VERTICAL - Original, 9/20/2016 7:31:07 AM

MD (ftKB)	TVD (ftKB)	Incl (°)	DLS	DLS (°/100)	Vertical schematic (actual)
3.9					
8.9					1-1; Conductor Pipe; 12; 9.0-24.0; 15.00
40.4					2-2; Centralizer; 8 5/8; 8.097; 8.5-40.2; 31.66
60.0					2-3; Casing Joints; 8 5/8; 8.097; 40.2-102.8; 62.61
134.2					2-4; Centralizer; 8 5/8; 8.097; 102.8-134.2; 31.42
259.5					2-5; Casing Joints; 8 5/8; 8.097; 134.2-228.4; 94.20
385.2					2-6; Centralizer; 8 5/8; 8.097; 228.4-259.6; 31.19
511.2					2-7; Casing Joints; 8 5/8; 8.097; 259.6-353.7; 94.11
606.0					2-8; Centralizer; 8 5/8; 8.097; 353.7-385.1; 31.41
637.5					3-1; Casing Joints; 5 1/2; 4.892; 8.9-833.7; 824.78
732.0					2-9; Casing Joints; 8 5/8; 8.097; 385.1-479.5; 94.41
833.7					2-10; Centralizer; 8 5/8; 8.097; 479.5-511.2; 31.64
1,044.0					2-11; Casing Joints; 8 5/8; 8.097; 511.2-605.9; 94.69
1,253.9					2-12; Centralizer; 8 5/8; 8.097; 605.9-637.5; 31.60
1,305.1					2-13; Casing Joints; 8 5/8; 8.097; 637.5-700.6; 63.09
1,395.0					2-14; Centralizer; 8 5/8; 8.097; 700.6-732.0; 31.43
1,409.1					
1,453.1					3-2; Centralizer; 5 1/2; 4.892; 833.7-875.7; 42.02
1,518.0					3-3; Casing Joints; 5 1/2; 4.892; 875.7-1,043.8; 168.16
1,563.0					3-4; Centralizer; 5 1/2; 4.892; 1,043.8-1,085.9; 42.04
1,575.1					3-5; Casing Joints; 5 1/2; 4.892; 1,085.9-1,254.0; 168.11
1,599.1					3-6; Centralizer; 5 1/2; 4.892; 1,254.0-1,296.0; 42.03
1,609.9					3-7; Casing Joints; 5 1/2; 4.892; 1,296.0-1,380.1; 84.06
1,630.9					Conventional Perf; 1,449.0-1,453.0; 11/14/2007
1,647.0					3-8; Centralizer; 5 1/2; 4.892; 1,380.1-1,605.0; 224.93
1,660.1					Conventional Perf; 1,515.0-1,518.0; 11/14/2007
1,675.9					Conventional Perf; 1,560.0-1,563.0; 11/14/2007
1,689.0					Conventional Perf; 1,571.0-1,575.0; 11/14/2007
1,714.9					Conventional Perf; 1,596.0-1,599.0; 11/14/2007
1,773.3					Conventional Perf; 1,610.0-1,613.0; 11/14/2007
1,815.3					3-9; Casing Joints; 5 1/2; 4.892; 1,605.0-1,647.1; 42.06
1,879.9					Conventional Perf; 1,631.0-1,634.0; 11/14/2007
					Conventional Perf; 1,657.0-1,660.0; 11/14/2007
					3-10; Centralizer; 5 1/2; 4.892; 1,647.1-1,689.1; 42.03
					Conventional Perf; 1,670.0-1,676.0; 11/14/2007
					Sand Jet Perf; 1,688.0-1,690.0; 11/14/2007
					3-11; Casing Joints; 5 1/2; 4.892; 1,689.1-1,731.2; 42.08
					3-12; Centralizer; 5 1/2; 4.892; 1,731.2-1,773.2; 42.03
					3-13; Casing Joints; 5 1/2; 4.892; 1,773.2-1,815.3; 42.04
					3-14; Centralizer; 5 1/2; 4.892; 1,815.3-1,830.0; 14.74