



# PA Wellbore For State - Horizontal, Vertical Section

Well Name: Geib 26V-304

Original Hole [Land]		Well Header									
MD (ftKB)	Vertical schematic (actual)	Surface UWI 0512344856				Business Unit Rockies		Gov Auth Dist Evans		Prod Tree Loc Land	
		Orig. KB to Gnd (ft) 23.00		Original Spud Date 4/3/2018		Abandon Date		Well Sub-Status PR		High...	
		23.00		4/3/2018						N	
		Comment									
Geologic Horizons											
Formation Name A_Sand-Top_Prod								Final Top MD (ftKB) 2,412.0			
Formation Name Upper_Pierre_Aquifer-Base_Prod								Final Top MD (ftKB) 1,391.0			
Formation Name Niobrara-Top_Prod								Final Top MD (ftKB) 7,021.0			
Formation Name Foxhills-Base_Prod								Final Top MD (ftKB) 187.0			
Surface Location (Congressional)											
Qtr 3 NE		Qtr 4 NE	Section 26	Twonshp 5	Twonsh... N	Range 65	Rng E/... W	Latitude (°) 40.37414	Longitude (°) -104.62245		
Wellbore Sections											
Section Des			Hole Size (in)		Top Depth (ftKB)		Btm Depth (ftKB)				
Surface			12 1/4		23.0						
Surface			12 1/4		23.0		1,650.0				
Production			8 1/2		1,650.0		18,551.0				
Casing Strings											
Csg Des		Run Date		OD (in)	Wt/Len (lb/ft)	Grade	Top Depth (MD) (ftKB)	Set Depth (MD) (ftKB)			
Surface		4/4/2018		9 5/8	36.00	J-55	23	1631			
Production		4/10/2018		5 1/2	20.00	P-110	23	18550			
Cement											
Des				Start Date		Top (ftKB)		Btm (ftKB)			
Surface Casing Cement				4/4/2018		23.0		1,631.0			
Production Casing Cement				4/11/2018		2,200.0		18,550.0			
Stim/Frac Summary											
Min Top Depth (ftKB) 7,513.0					Max Btm Depth (ftKB) 18,550.0						
Perforations											
Linked Zone Niobrara-Ft Hays, Original Hole				Date 1/2/2019 16:00		Top Depth (ftKB) 7,513.0		Bottom Depth (ftKB) 7,514.0			
Linked Zone Niobrara-Ft Hays, Original Hole				Date 1/2/2019 16:00		Top Depth (ftKB) 7,541.0		Bottom Depth (ftKB) 7,542.0			
Linked Zone Niobrara-Ft Hays, Original Hole				Date 1/2/2019 16:00		Top Depth (ftKB) 7,573.0		Bottom Depth (ftKB) 7,574.0			
Linked Zone Niobrara-Ft Hays, Original Hole				Date 1/2/2019 16:00		Top Depth (ftKB) 7,603.0		Bottom Depth (ftKB) 7,604.0			
Linked Zone Niobrara-Ft Hays, Original Hole				Date 1/2/2019 16:00		Top Depth (ftKB) 7,634.0		Bottom Depth (ftKB) 7,635.0			
Linked Zone Niobrara-Ft Hays, Original Hole				Date 1/2/2019 16:00		Top Depth (ftKB) 7,663.0		Bottom Depth (ftKB) 7,664.0			
Linked Zone Niobrara-Ft Hays, Original Hole				Date 1/2/2019 10:33		Top Depth (ftKB) 7,693.0		Bottom Depth (ftKB) 7,694.0			
Linked Zone Niobrara-Ft Hays, Original Hole				Date 1/2/2019 10:33		Top Depth (ftKB) 7,723.0		Bottom Depth (ftKB) 7,724.0			
Linked Zone Niobrara-Ft Hays, Original Hole				Date 1/2/2019 10:33		Top Depth (ftKB) 7,758.0		Bottom Depth (ftKB) 7,759.0			
Linked Zone Niobrara-Ft Hays, Original Hole				Date 1/2/2019 10:33		Top Depth (ftKB) 7,784.0		Bottom Depth (ftKB) 7,785.0			
Linked Zone Niobrara-Ft Hays, Original Hole				Date 1/2/2019 10:33		Top Depth (ftKB) 7,814.0		Bottom Depth (ftKB) 7,815.0			
Linked Zone Niobrara-Ft Hays, Original Hole				Date 1/2/2019 10:33		Top Depth (ftKB) 7,844.0		Bottom Depth (ftKB) 7,845.0			



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Original Hole [Land]		Perforations			
MD (ftKB)	Vertical schematic (actual)	Linked Zone Niobrara-Ft Hays, Original Hole	Date	Top Depth (ftKB)	Bottom Depth (ftKB)
		Linked Zone Niobrara-Ft Hays, Original Hole	1/2/2019 02:30	7,874.0	7,875.0
		Linked Zone Niobrara-Ft Hays, Original Hole	1/2/2019 02:30	7,904.0	7,905.0
23.0		Linked Zone Niobrara-Ft Hays, Original Hole	1/2/2019 02:30	7,934.0	7,935.0
24.0		Linked Zone Niobrara-Ft Hays, Original Hole	1/2/2019 02:30	7,964.0	7,965.0
1,530.8		Linked Zone Niobrara-Ft Hays, Original Hole	1/2/2019 02:30	7,994.0	7,995.0
1,587.9		Linked Zone Niobrara-Ft Hays, Original Hole	1/2/2019 02:30	8,025.0	8,026.0
1,630.9		Linked Zone Niobrara-Ft Hays, Original Hole	1/2/2019 02:30	8,054.0	8,055.0
1,649.9		Linked Zone Niobrara-Ft Hays, Original Hole	1/1/2019 20:45	8,084.0	8,085.0
1,831.0		Linked Zone Niobrara-Ft Hays, Original Hole	1/1/2019 20:45	8,114.0	8,115.0
2,200.1		Linked Zone Niobrara-Ft Hays, Original Hole	1/1/2019 20:45	8,142.0	8,143.0
2,292.0		Linked Zone Niobrara-Ft Hays, Original Hole	1/1/2019 20:45	8,174.0	8,175.0
2,392.1		Linked Zone Niobrara-Ft Hays, Original Hole	1/1/2019 20:45	8,204.0	8,205.0
2,394.0		Linked Zone Niobrara-Ft Hays, Original Hole	1/1/2019 14:49	8,234.0	8,235.0
6,871.1		Linked Zone Niobrara-Ft Hays, Original Hole	1/1/2019 14:49	8,264.0	8,265.0
6,971.1		Linked Zone Niobrara-Ft Hays, Original Hole	1/1/2019 14:49	8,294.0	8,295.0
6,973.1		Linked Zone Niobrara-Ft Hays, Original Hole	1/1/2019 14:49	8,324.0	8,325.0
7,038.7		Linked Zone Niobrara-Ft Hays, Original Hole	1/1/2019 14:49	8,357.0	8,358.0
7,038.7		Linked Zone Niobrara-Ft Hays, Original Hole	1/1/2019 14:49	8,384.0	8,385.0
7,221.1		Linked Zone Niobrara-Ft Hays, Original Hole	1/1/2019 09:23	8,414.0	8,415.0
7,222.4		Linked Zone Niobrara-Ft Hays, Original Hole	1/1/2019 09:23	8,444.0	8,445.0
7,253.0		Linked Zone Niobrara-Ft Hays, Original Hole	1/1/2019 09:23	8,472.0	8,473.0
7,256.9		Linked Zone Niobrara-Ft Hays, Original Hole	1/1/2019 09:23	8,504.0	8,505.0
7,260.2		Linked Zone Niobrara-Ft Hays, Original Hole	1/1/2019 09:23	8,534.0	8,535.0
7,260.5		Linked Zone Niobrara-Ft Hays, Original Hole	1/1/2019 09:23	8,564.0	8,565.0
7,513.1		Linked Zone Niobrara-Ft Hays, Original Hole	1/1/2019 03:02	8,594.0	8,595.0
18,549.9					
18,550.9					



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Original Hole [Land]		Perforations			
MD (ftKB)	Vertical schematic (actual)	Linked Zone Niobrara-Ft Hays, Original Hole	Date	Top Depth (ftKB)	Bottom Depth (ftKB)
		Linked Zone Niobrara-Ft Hays, Original Hole	1/1/2019 03:02	8,625.0	8,626.0
		Linked Zone Niobrara-Ft Hays, Original Hole	1/1/2019 03:02	8,655.0	8,656.0
23.0		Linked Zone Niobrara-Ft Hays, Original Hole	1/1/2019 03:02	8,688.0	8,689.0
24.0		Linked Zone Niobrara-Ft Hays, Original Hole	1/1/2019 03:02	8,715.0	8,716.0
1,530.8		Linked Zone Niobrara-Ft Hays, Original Hole	1/1/2019 03:02	8,745.0	8,746.0
1,587.9		Linked Zone Niobrara-Ft Hays, Original Hole	12/31/2018 19:17	8,775.0	8,776.0
1,630.9		Linked Zone Niobrara-Ft Hays, Original Hole	12/31/2018 19:17	8,804.0	8,805.0
1,649.9		Linked Zone Niobrara-Ft Hays, Original Hole	12/31/2018 19:17	8,835.0	8,836.0
1,831.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/31/2018 19:17	8,865.0	8,866.0
2,200.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/31/2018 19:17	8,895.0	8,896.0
2,292.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/31/2018 19:17	8,925.0	8,926.0
2,392.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/31/2018 16:54	8,955.0	8,956.0
2,394.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/31/2018 16:54	8,985.0	8,986.0
6,871.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/31/2018 16:54	9,015.0	9,016.0
6,971.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/31/2018 16:54	9,045.0	9,046.0
6,973.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/31/2018 16:54	9,075.0	9,076.0
7,038.7		Linked Zone Niobrara-Ft Hays, Original Hole	12/31/2018 16:54	9,105.0	9,106.0
7,038.7		Linked Zone Niobrara-Ft Hays, Original Hole	12/31/2018 14:16	9,135.0	9,136.0
7,221.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/31/2018 14:16	9,165.0	9,166.0
7,222.4		Linked Zone Niobrara-Ft Hays, Original Hole	12/31/2018 14:16	9,195.0	9,196.0
7,253.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/31/2018 14:16	9,225.0	9,226.0
7,256.9		Linked Zone Niobrara-Ft Hays, Original Hole	12/31/2018 14:16	9,255.0	9,256.0
7,260.2		Linked Zone Niobrara-Ft Hays, Original Hole	12/31/2018 14:16	9,283.0	9,284.0
7,260.5		Linked Zone Niobrara-Ft Hays, Original Hole	12/31/2018 10:34	9,315.0	9,316.0
7,513.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/31/2018 10:34	9,348.0	9,349.0
18,549.9					
18,550.9					



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Original Hole [Land]		Perforations			
MD (ftKB)	Vertical schematic (actual)	Linked Zone	Date	Top Depth (ftKB)	Bottom Depth (ftKB)
		Niobrara-Ft Hays, Original Hole	12/31/2018 10:34	9,375.0	9,376.0
		Niobrara-Ft Hays, Original Hole	12/31/2018 10:34	9,405.0	9,406.0
23.0		Niobrara-Ft Hays, Original Hole	12/31/2018 10:34	9,435.0	9,436.0
24.0		Niobrara-Ft Hays, Original Hole	12/31/2018 10:34	9,462.0	9,463.0
1,530.8		Niobrara-Ft Hays, Original Hole	12/31/2018 05:51	9,496.0	9,497.0
1,587.9		Niobrara-Ft Hays, Original Hole	12/31/2018 05:51	9,526.0	9,527.0
1,630.9		Niobrara-Ft Hays, Original Hole	12/31/2018 05:51	9,556.0	9,557.0
1,649.9		Niobrara-Ft Hays, Original Hole	12/31/2018 05:51	9,586.0	9,587.0
1,831.0		Niobrara-Ft Hays, Original Hole	12/31/2018 05:51	9,616.0	9,617.0
2,200.1		Niobrara-Ft Hays, Original Hole	12/31/2018 05:51	9,646.0	9,647.0
2,292.0		Niobrara-Ft Hays, Original Hole	12/31/2018 02:33	9,680.0	9,681.0
2,392.1		Niobrara-Ft Hays, Original Hole	12/31/2018 02:33	9,706.0	9,707.0
2,394.0		Niobrara-Ft Hays, Original Hole	12/31/2018 02:33	9,736.0	9,737.0
6,871.1		Niobrara-Ft Hays, Original Hole	12/31/2018 02:33	9,766.0	9,767.0
6,971.1		Niobrara-Ft Hays, Original Hole	12/31/2018 02:33	9,794.0	9,795.0
6,973.1		Niobrara-Ft Hays, Original Hole	12/31/2018 02:33	9,826.0	9,827.0
7,038.7		Niobrara-Ft Hays, Original Hole	12/30/2018 22:54	9,856.0	9,857.0
7,038.7		Niobrara-Ft Hays, Original Hole	12/30/2018 22:54	9,887.0	9,888.0
7,221.1		Niobrara-Ft Hays, Original Hole	12/30/2018 22:54	9,916.0	9,917.0
7,222.4		Niobrara-Ft Hays, Original Hole	12/30/2018 22:54	9,946.0	9,947.0
7,253.0		Niobrara-Ft Hays, Original Hole	12/30/2018 22:54	9,978.0	9,979.0
7,256.9		Niobrara-Ft Hays, Original Hole	12/30/2018 22:54	10,006.0	10,007.0
7,260.2		Niobrara-Ft Hays, Original Hole	12/30/2018 18:34	10,036.0	10,037.0
7,260.5		Niobrara-Ft Hays, Original Hole	12/30/2018 18:34	10,066.0	10,067.0
7,513.1		Niobrara-Ft Hays, Original Hole	12/30/2018 18:34	10,092.0	10,093.0
18,549.9		Niobrara-Ft Hays, Original Hole			
18,550.9		Niobrara-Ft Hays, Original Hole			





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Original Hole [Land]		Perforations			
MD (ftKB)	Vertical schematic (actual)	Linked Zone Niobrara-Ft Hays, Original Hole	Date	Top Depth (ftKB)	Bottom Depth (ftKB)
		Linked Zone Niobrara-Ft Hays, Original Hole	12/30/2018 18:34	10,126.0	10,127.0
		Linked Zone Niobrara-Ft Hays, Original Hole	12/30/2018 18:34	10,156.0	10,157.0
23.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/30/2018 18:34	10,186.0	10,187.0
24.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/30/2018 04:07	10,216.0	10,217.0
1,530.8		Linked Zone Niobrara-Ft Hays, Original Hole	12/30/2018 04:07	10,246.0	10,247.0
1,587.9		Linked Zone Niobrara-Ft Hays, Original Hole	12/30/2018 04:07	10,276.0	10,277.0
1,630.9		Linked Zone Niobrara-Ft Hays, Original Hole	12/30/2018 04:07	10,306.0	10,307.0
1,649.9		Linked Zone Niobrara-Ft Hays, Original Hole	12/30/2018 04:07	10,337.0	10,338.0
1,831.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/30/2018 04:07	10,367.0	10,368.0
2,200.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/29/2018 21:56	10,397.0	10,398.0
2,292.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/29/2018 21:56	10,424.0	10,425.0
2,392.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/29/2018 21:56	10,457.0	10,458.0
2,394.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/29/2018 21:56	10,487.0	10,488.0
6,871.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/29/2018 21:56	10,517.0	10,518.0
6,971.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/29/2018 21:56	10,547.0	10,548.0
6,973.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/29/2018 15:03	10,577.0	10,578.0
7,038.7		Linked Zone Niobrara-Ft Hays, Original Hole	12/29/2018 15:03	10,607.0	10,608.0
7,038.7		Linked Zone Niobrara-Ft Hays, Original Hole	12/29/2018 15:03	10,638.0	10,639.0
7,221.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/29/2018 15:03	10,667.0	10,668.0
7,222.4		Linked Zone Niobrara-Ft Hays, Original Hole	12/29/2018 15:03	10,697.0	10,698.0
7,253.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/29/2018 15:03	10,727.0	10,728.0
7,256.9		Linked Zone Niobrara-Ft Hays, Original Hole	12/29/2018 05:59	10,754.0	10,755.0
7,260.2		Linked Zone Niobrara-Ft Hays, Original Hole	12/29/2018 05:59	10,787.0	10,788.0
7,260.5		Linked Zone Niobrara-Ft Hays, Original Hole	12/29/2018 05:59	10,817.0	10,818.0
7,513.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/29/2018 05:59	10,847.0	10,848.0
18,549.9					
18,550.9					



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MD (ftKB)	Vertical schematic (actual)	Linked Zone Niobrara-Ft Hays, Original Hole	Date	Top Depth (ftKB)	Bottom Depth (ftKB)
		Linked Zone Niobrara-Ft Hays, Original Hole	12/29/2018 05:59	10,877.0	10,878.0
		Linked Zone Niobrara-Ft Hays, Original Hole	12/29/2018 05:59	10,907.0	10,908.0
23.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/28/2018 23:11	10,937.0	10,938.0
24.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/28/2018 23:11	10,967.0	10,968.0
1,530.8		Linked Zone Niobrara-Ft Hays, Original Hole	12/28/2018 23:11	10,997.0	10,998.0
1,587.9		Linked Zone Niobrara-Ft Hays, Original Hole	12/28/2018 23:11	11,027.0	11,028.0
1,630.9		Linked Zone Niobrara-Ft Hays, Original Hole	12/28/2018 23:11	11,057.0	11,058.0
1,649.9		Linked Zone Niobrara-Ft Hays, Original Hole	12/28/2018 23:11	11,084.0	11,085.0
1,831.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/28/2018 09:56	11,117.0	11,118.0
2,200.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/28/2018 09:56	11,147.0	11,148.0
2,292.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/28/2018 09:56	11,177.0	11,178.0
2,392.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/28/2018 09:56	11,202.0	11,203.0
2,394.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/28/2018 09:56	11,238.0	11,239.0
6,871.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/28/2018 09:56	11,268.0	11,269.0
6,971.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/28/2018 05:12	11,298.0	11,299.0
6,973.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/28/2018 05:12	11,328.0	11,329.0
7,038.7		Linked Zone Niobrara-Ft Hays, Original Hole	12/28/2018 05:12	11,358.0	11,359.0
7,038.7		Linked Zone Niobrara-Ft Hays, Original Hole	12/28/2018 05:12	11,388.0	11,389.0
7,221.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/28/2018 05:12	11,418.0	11,419.0
7,222.4		Linked Zone Niobrara-Ft Hays, Original Hole	12/28/2018 05:12	11,448.0	11,449.0
7,253.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/27/2018 22:03	11,478.0	11,479.0
7,256.9		Linked Zone Niobrara-Ft Hays, Original Hole	12/27/2018 22:03	11,508.0	11,509.0
7,260.2		Linked Zone Niobrara-Ft Hays, Original Hole	12/27/2018 22:03	11,535.0	11,536.0
7,260.5		Linked Zone Niobrara-Ft Hays, Original Hole	12/27/2018 22:03	11,568.0	11,569.0
7,513.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/27/2018 22:03	11,598.0	11,599.0
18,549.9					
18,550.9					



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MD (ftKB)	Vertical schematic (actual)	Linked Zone Niobrara-Ft Hays, Original Hole	Date	Top Depth (ftKB)	Bottom Depth (ftKB)
		Linked Zone Niobrara-Ft Hays, Original Hole	12/27/2018 22:03	11,628.0	11,629.0
		Linked Zone Niobrara-Ft Hays, Original Hole	12/27/2018 14:53	11,658.0	11,659.0
23.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/27/2018 14:53	11,688.0	11,689.0
24.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/27/2018 14:53	11,718.0	11,719.0
1,530.8		Linked Zone Niobrara-Ft Hays, Original Hole	12/27/2018 14:53	11,752.0	11,753.0
1,587.9		Linked Zone Niobrara-Ft Hays, Original Hole	12/27/2018 14:53	11,778.0	11,779.0
1,630.9		Linked Zone Niobrara-Ft Hays, Original Hole	12/27/2018 14:53	11,808.0	11,809.0
1,649.9		Linked Zone Niobrara-Ft Hays, Original Hole	12/27/2018 07:13	11,838.0	11,839.0
1,831.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/27/2018 07:13	11,866.0	11,867.0
2,200.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/27/2018 07:13	11,898.0	11,899.0
2,292.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/27/2018 07:13	11,928.0	11,929.0
2,392.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/27/2018 07:13	11,958.0	11,959.0
2,394.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/27/2018 07:13	11,986.0	11,987.0
6,871.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/26/2018 20:11	12,018.0	12,019.0
6,971.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/26/2018 20:11	12,049.0	12,050.0
6,973.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/26/2018 20:11	12,079.0	12,080.0
7,038.7		Linked Zone Niobrara-Ft Hays, Original Hole	12/26/2018 20:11	12,109.0	12,110.0
7,038.7		Linked Zone Niobrara-Ft Hays, Original Hole	12/26/2018 20:11	12,139.0	12,140.0
7,221.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/26/2018 20:11	12,165.0	12,166.0
7,222.4		Linked Zone Niobrara-Ft Hays, Original Hole	12/26/2018 12:55	12,199.0	12,200.0
7,253.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/26/2018 12:55	12,229.0	12,230.0
7,256.9		Linked Zone Niobrara-Ft Hays, Original Hole	12/26/2018 12:55	12,259.0	12,260.0
7,260.2		Linked Zone Niobrara-Ft Hays, Original Hole	12/26/2018 12:55	12,289.0	12,290.0
7,260.5		Linked Zone Niobrara-Ft Hays, Original Hole	12/26/2018 12:55	12,319.0	12,320.0
7,513.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/26/2018 12:55	12,349.0	12,350.0
18,549.9					
18,550.9					



# PA Wellbore For State - Horizontal, Vertical Section

Well Name: Geib 26V-304

Original Hole [Land]		Perforations			
MD (ftKB)	Vertical schematic (actual)	Linked Zone Niobrara-Ft Hays, Original Hole	Date	Top Depth (ftKB)	Bottom Depth (ftKB)
		Linked Zone Niobrara-Ft Hays, Original Hole	12/26/2018 06:22	12,379.0	12,380.0
		Linked Zone Niobrara-Ft Hays, Original Hole	12/26/2018 06:22	12,409.0	12,410.0
23.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/26/2018 06:22	12,439.0	12,440.0
24.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/26/2018 06:22	12,469.0	12,470.0
1,530.8		Linked Zone Niobrara-Ft Hays, Original Hole	12/26/2018 06:22	12,502.0	12,503.0
1,587.9		Linked Zone Niobrara-Ft Hays, Original Hole	12/26/2018 06:22	12,529.0	12,530.0
1,630.9		Linked Zone Niobrara-Ft Hays, Original Hole	12/23/2018 22:13	12,559.0	12,560.0
1,649.9		Linked Zone Niobrara-Ft Hays, Original Hole	12/23/2018 22:13	12,589.0	12,590.0
1,831.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/23/2018 22:13	12,619.0	12,620.0
2,200.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/23/2018 22:13	12,649.0	12,650.0
2,292.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/23/2018 22:13	12,679.0	12,680.0
2,392.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/23/2018 22:13	12,709.0	12,710.0
2,394.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/23/2018 13:56	12,739.0	12,740.0
6,871.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/23/2018 13:56	12,769.0	12,770.0
6,971.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/23/2018 13:56	12,799.0	12,800.0
6,973.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/23/2018 13:56	12,825.0	12,826.0
7,038.7		Linked Zone Niobrara-Ft Hays, Original Hole	12/23/2018 13:56	12,859.0	12,860.0
7,038.7		Linked Zone Niobrara-Ft Hays, Original Hole	12/23/2018 13:56	12,889.0	12,890.0
7,221.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/23/2018 07:28	12,920.0	12,921.0
7,222.4		Linked Zone Niobrara-Ft Hays, Original Hole	12/23/2018 07:28	12,950.0	12,951.0
7,253.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/23/2018 07:28	12,980.0	12,981.0
7,256.9		Linked Zone Niobrara-Ft Hays, Original Hole	12/23/2018 07:28	13,010.0	13,011.0
7,260.2		Linked Zone Niobrara-Ft Hays, Original Hole	12/23/2018 07:28	13,042.0	13,043.0
7,260.5		Linked Zone Niobrara-Ft Hays, Original Hole	12/23/2018 07:28	13,070.0	13,071.0
7,513.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/23/2018 01:11	13,100.0	13,101.0
18,549.9					
18,550.9					





# PA Wellbore For State - Horizontal, Vertical Section

Well Name: Geib 26V-304

Original Hole [Land]		Perforations			
MD (ftKB)	Vertical schematic (actual)	Linked Zone Niobrara-Ft Hays, Original Hole	Date	Top Depth (ftKB)	Bottom Depth (ftKB)
		Linked Zone Niobrara-Ft Hays, Original Hole	12/23/2018 01:11	13,130.0	13,131.0
		Linked Zone Niobrara-Ft Hays, Original Hole	12/23/2018 01:11	13,158.0	13,159.0
23.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/23/2018 01:11	13,190.0	13,191.0
24.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/23/2018 01:11	13,220.0	13,221.0
1,530.8		Linked Zone Niobrara-Ft Hays, Original Hole	12/23/2018 01:11	13,250.0	13,251.0
1,587.9		Linked Zone Niobrara-Ft Hays, Original Hole	12/22/2018 18:12	13,280.0	13,281.0
1,630.9		Linked Zone Niobrara-Ft Hays, Original Hole	12/22/2018 18:12	13,310.0	13,311.0
1,649.9		Linked Zone Niobrara-Ft Hays, Original Hole	12/22/2018 18:12	13,340.0	13,341.0
1,831.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/22/2018 18:12	13,370.0	13,371.0
2,200.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/22/2018 18:12	13,400.0	13,401.0
2,292.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/22/2018 18:12	13,430.0	13,431.0
2,392.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/22/2018 12:14	13,460.0	13,461.0
2,394.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/22/2018 12:14	13,488.0	13,489.0
6,871.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/22/2018 12:14	13,520.0	13,521.0
6,971.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/22/2018 12:14	13,550.0	13,551.0
6,973.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/22/2018 12:14	13,580.0	13,581.0
7,038.7		Linked Zone Niobrara-Ft Hays, Original Hole	12/22/2018 12:14	13,610.0	13,611.0
7,038.7		Linked Zone Niobrara-Ft Hays, Original Hole	12/22/2018 05:31	13,640.0	13,641.0
7,221.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/22/2018 05:31	13,670.0	13,671.0
7,222.4		Linked Zone Niobrara-Ft Hays, Original Hole	12/22/2018 05:31	13,700.0	13,701.0
7,253.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/22/2018 05:31	13,730.0	13,731.0
7,256.9		Linked Zone Niobrara-Ft Hays, Original Hole	12/22/2018 05:31	13,760.0	13,761.0
7,260.2		Linked Zone Niobrara-Ft Hays, Original Hole	12/22/2018 05:31	13,791.0	13,792.0
7,260.5		Linked Zone Niobrara-Ft Hays, Original Hole	12/21/2018 22:36	13,825.0	13,826.0
7,513.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/21/2018 22:36	13,851.0	13,852.0
18,549.9					
18,550.9					



# PA Wellbore For State - Horizontal, Vertical Section

Well Name: Geib 26V-304

Original Hole [Land]		Perforations			
MD (ftKB)	Vertical schematic (actual)	Linked Zone Niobrara-Ft Hays, Original Hole	Date	Top Depth (ftKB)	Bottom Depth (ftKB)
		Linked Zone Niobrara-Ft Hays, Original Hole	12/21/2018 22:36	13,881.0	13,882.0
		Linked Zone Niobrara-Ft Hays, Original Hole	12/21/2018 22:36	13,911.0	13,912.0
23.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/21/2018 22:36	13,941.0	13,942.0
24.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/21/2018 22:36	13,971.0	13,972.0
1,530.8		Linked Zone Niobrara-Ft Hays, Original Hole	12/21/2018 15:29	14,001.0	14,002.0
1,587.9		Linked Zone Niobrara-Ft Hays, Original Hole	12/21/2018 15:29	14,032.0	14,033.0
1,630.9		Linked Zone Niobrara-Ft Hays, Original Hole	12/21/2018 15:29	14,061.0	14,062.0
1,649.9		Linked Zone Niobrara-Ft Hays, Original Hole	12/21/2018 15:29	14,091.0	14,092.0
1,831.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/21/2018 15:29	14,125.0	14,126.0
2,200.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/21/2018 15:29	14,151.0	14,152.0
2,292.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/21/2018 09:00	14,181.0	14,182.0
2,392.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/21/2018 09:00	14,211.0	14,212.0
2,394.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/21/2018 09:00	14,241.0	14,242.0
6,871.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/21/2018 09:00	14,271.0	14,272.0
6,971.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/21/2018 09:00	14,301.0	14,302.0
6,973.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/21/2018 09:00	14,331.0	14,332.0
7,038.7		Linked Zone Niobrara-Ft Hays, Original Hole	12/21/2018 01:19	14,361.0	14,362.0
7,038.7		Linked Zone Niobrara-Ft Hays, Original Hole	12/21/2018 01:19	14,391.0	14,392.0
7,221.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/21/2018 01:19	14,421.0	14,422.0
7,222.4		Linked Zone Niobrara-Ft Hays, Original Hole	12/21/2018 01:19	14,454.0	14,455.0
7,253.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/21/2018 01:19	14,481.0	14,482.0
7,256.9		Linked Zone Niobrara-Ft Hays, Original Hole	12/21/2018 01:19	14,511.0	14,512.0
7,260.2		Linked Zone Niobrara-Ft Hays, Original Hole	12/20/2018 18:28	14,541.0	14,542.0
7,260.5		Linked Zone Niobrara-Ft Hays, Original Hole	12/20/2018 18:28	14,570.0	14,571.0
7,513.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/20/2018 18:28	14,601.0	14,602.0
18,549.9					
18,550.9					



# PA Wellbore For State - Horizontal, Vertical Section

Well Name: Geib 26V-304

Original Hole [Land]		Perforations			
MD (ftKB)	Vertical schematic (actual)	Linked Zone Niobrara-Ft Hays, Original Hole	Date	Top Depth (ftKB)	Bottom Depth (ftKB)
		Linked Zone Niobrara-Ft Hays, Original Hole	12/20/2018 18:28	14,632.0	14,633.0
		Linked Zone Niobrara-Ft Hays, Original Hole	12/20/2018 18:28	14,662.0	14,663.0
23.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/20/2018 18:28	14,692.0	14,693.0
24.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/20/2018 10:41	14,722.0	14,723.0
1,530.8		Linked Zone Niobrara-Ft Hays, Original Hole	12/20/2018 10:41	14,752.0	14,753.0
1,587.9		Linked Zone Niobrara-Ft Hays, Original Hole	12/20/2018 10:41	14,784.0	14,785.0
1,630.9		Linked Zone Niobrara-Ft Hays, Original Hole	12/20/2018 10:41	14,812.0	14,813.0
1,649.9		Linked Zone Niobrara-Ft Hays, Original Hole	12/20/2018 10:41	14,842.0	14,843.0
1,831.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/20/2018 10:41	14,872.0	14,873.0
2,200.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/20/2018 04:06	14,902.0	14,903.0
2,292.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/20/2018 04:06	14,932.0	14,933.0
2,392.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/20/2018 04:06	14,962.0	14,963.0
2,394.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/20/2018 04:06	14,992.0	14,993.0
6,871.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/20/2018 04:06	15,022.0	15,023.0
6,971.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/20/2018 04:06	15,052.0	15,053.0
6,973.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/19/2018 20:07	15,082.0	15,083.0
7,038.7		Linked Zone Niobrara-Ft Hays, Original Hole	12/19/2018 20:07	15,108.0	15,109.0
7,038.7		Linked Zone Niobrara-Ft Hays, Original Hole	12/19/2018 20:07	15,142.0	15,143.0
7,221.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/19/2018 20:07	15,172.0	15,173.0
7,222.4		Linked Zone Niobrara-Ft Hays, Original Hole	12/19/2018 20:07	15,202.0	15,203.0
7,253.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/19/2018 20:07	15,232.0	15,233.0
7,256.9		Linked Zone Niobrara-Ft Hays, Original Hole	12/19/2018 11:25	15,262.0	15,263.0
7,260.2		Linked Zone Niobrara-Ft Hays, Original Hole	12/19/2018 11:25	15,292.0	15,293.0
7,260.5		Linked Zone Niobrara-Ft Hays, Original Hole	12/19/2018 11:25	15,323.0	15,324.0
7,513.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/19/2018 11:25	15,352.0	15,353.0
18,549.9					
18,550.9					



# PA Wellbore For State - Horizontal, Vertical Section

Well Name: Geib 26V-304

Original Hole [Land]		Perforations			
MD (ftKB)	Vertical schematic (actual)	Linked Zone Niobrara-Ft Hays, Original Hole	Date	Top Depth (ftKB)	Bottom Depth (ftKB)
		Linked Zone Niobrara-Ft Hays, Original Hole	12/19/2018 11:25	15,382.0	15,383.0
		Linked Zone Niobrara-Ft Hays, Original Hole	12/19/2018 11:25	15,412.0	15,413.0
23.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/19/2018 02:48	15,446.0	15,447.0
24.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/19/2018 02:48	15,472.0	15,473.0
1,530.8		Linked Zone Niobrara-Ft Hays, Original Hole	12/19/2018 02:48	15,503.0	15,504.0
1,587.9		Linked Zone Niobrara-Ft Hays, Original Hole	12/19/2018 02:48	15,533.0	15,534.0
1,630.9		Linked Zone Niobrara-Ft Hays, Original Hole	12/19/2018 02:48	15,563.0	15,564.0
1,649.9		Linked Zone Niobrara-Ft Hays, Original Hole	12/19/2018 02:48	15,593.0	15,594.0
1,831.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/18/2018 20:13	15,623.0	15,624.0
2,200.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/18/2018 20:13	15,653.0	15,654.0
2,292.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/18/2018 20:13	15,683.0	15,684.0
2,392.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/18/2018 20:13	15,713.0	15,714.0
2,394.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/18/2018 20:13	15,743.0	15,744.0
6,871.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/18/2018 20:13	15,769.0	15,770.0
6,971.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/18/2018 11:24	15,803.0	15,804.0
6,973.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/18/2018 11:24	15,833.0	15,834.0
7,038.7		Linked Zone Niobrara-Ft Hays, Original Hole	12/18/2018 11:24	15,863.0	15,864.0
7,038.7		Linked Zone Niobrara-Ft Hays, Original Hole	12/18/2018 11:24	15,893.0	15,894.0
7,221.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/18/2018 11:24	15,923.0	15,924.0
7,222.4		Linked Zone Niobrara-Ft Hays, Original Hole	12/18/2018 11:24	15,953.0	15,954.0
7,253.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/18/2018 04:11	15,985.0	15,986.0
7,256.9		Linked Zone Niobrara-Ft Hays, Original Hole	12/18/2018 04:11	16,013.0	16,014.0
7,260.2		Linked Zone Niobrara-Ft Hays, Original Hole	12/18/2018 04:11	16,043.0	16,044.0
7,260.5		Linked Zone Niobrara-Ft Hays, Original Hole	12/18/2018 04:11	16,068.0	16,069.0
7,513.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/18/2018 04:11	16,103.0	16,104.0
18,549.9					
18,550.9					





# PA Wellbore For State - Horizontal, Vertical Section

Well Name: Geib 26V-304

Original Hole [Land]		Perforations			
MD (ftKB)	Vertical schematic (actual)	Linked Zone Niobrara-Ft Hays, Original Hole	Date	Top Depth (ftKB)	Bottom Depth (ftKB)
		Linked Zone Niobrara-Ft Hays, Original Hole	12/18/2018 04:11	16,133.0	16,134.0
		Linked Zone Niobrara-Ft Hays, Original Hole	12/17/2018 20:50	16,163.0	16,164.0
23.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/17/2018 20:50	16,191.0	16,192.0
24.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/17/2018 20:50	16,223.0	16,224.0
1,530.8		Linked Zone Niobrara-Ft Hays, Original Hole	12/17/2018 20:50	16,253.0	16,254.0
1,587.9		Linked Zone Niobrara-Ft Hays, Original Hole	12/17/2018 20:50	16,285.0	16,286.0
1,630.9		Linked Zone Niobrara-Ft Hays, Original Hole	12/17/2018 20:50	16,313.0	16,314.0
1,649.9		Linked Zone Niobrara-Ft Hays, Original Hole	12/17/2018 13:29	16,344.0	16,345.0
1,831.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/17/2018 13:29	16,374.0	16,375.0
2,200.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/17/2018 13:29	16,407.0	16,408.0
2,292.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/17/2018 13:29	16,434.0	16,435.0
2,392.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/17/2018 13:29	16,464.0	16,465.0
2,394.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/17/2018 13:29	16,494.0	16,495.0
6,871.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/17/2018 05:21	16,522.0	16,523.0
6,971.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/17/2018 05:21	16,554.0	16,555.0
6,973.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/17/2018 05:21	16,584.0	16,585.0
7,038.7		Linked Zone Niobrara-Ft Hays, Original Hole	12/17/2018 05:21	16,614.0	16,615.0
7,038.7		Linked Zone Niobrara-Ft Hays, Original Hole	12/17/2018 05:21	16,644.0	16,645.0
7,221.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/17/2018 05:21	16,674.0	16,675.0
7,222.4		Linked Zone Niobrara-Ft Hays, Original Hole	12/16/2018 23:39	16,704.0	16,705.0
7,253.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/16/2018 23:39	16,739.0	16,740.0
7,256.9		Linked Zone Niobrara-Ft Hays, Original Hole	12/16/2018 23:39	16,764.0	16,765.0
7,260.2		Linked Zone Niobrara-Ft Hays, Original Hole	12/16/2018 23:39	16,794.0	16,795.0
7,260.5		Linked Zone Niobrara-Ft Hays, Original Hole	12/16/2018 23:39	16,824.0	16,825.0
7,513.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/16/2018 23:39	16,849.0	16,850.0
18,549.9					
18,550.9					



# PA Wellbore For State - Horizontal, Vertical Section

Well Name: Geib 26V-304

Original Hole [Land]		Perforations			
MD (ftKB)	Vertical schematic (actual)	Linked Zone Niobrara-Ft Hays, Original Hole	Date	Top Depth (ftKB)	Bottom Depth (ftKB)
		Linked Zone Niobrara-Ft Hays, Original Hole	12/16/2018 17:14	16,884.0	16,885.0
		Linked Zone Niobrara-Ft Hays, Original Hole	12/16/2018 17:14	16,914.0	16,915.0
23.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/16/2018 17:14	16,944.0	16,945.0
24.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/16/2018 17:14	16,974.0	16,975.0
1,530.8		Linked Zone Niobrara-Ft Hays, Original Hole	12/16/2018 17:14	17,004.0	17,005.0
1,587.9		Linked Zone Niobrara-Ft Hays, Original Hole	12/16/2018 17:14	17,034.0	17,035.0
1,630.9		Linked Zone Niobrara-Ft Hays, Original Hole	12/16/2018 08:47	17,064.0	17,065.0
1,649.9		Linked Zone Niobrara-Ft Hays, Original Hole	12/16/2018 08:47	17,094.0	17,095.0
1,831.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/16/2018 08:47	17,124.0	17,125.0
2,200.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/16/2018 08:47	17,154.0	17,155.0
2,292.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/16/2018 08:47	17,186.0	17,187.0
2,392.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/16/2018 08:47	17,215.0	17,216.0
2,394.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/16/2018 01:49	17,245.0	17,246.0
6,871.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/16/2018 01:49	17,275.0	17,276.0
6,971.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/16/2018 01:49	17,309.0	17,310.0
6,973.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/16/2018 01:49	17,335.0	17,336.0
7,038.7		Linked Zone Niobrara-Ft Hays, Original Hole	12/16/2018 01:49	17,365.0	17,366.0
7,038.7		Linked Zone Niobrara-Ft Hays, Original Hole	12/16/2018 01:49	17,395.0	17,396.0
7,221.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/15/2018 19:29	17,425.0	17,426.0
7,222.4		Linked Zone Niobrara-Ft Hays, Original Hole	12/15/2018 19:29	17,455.0	17,456.0
7,253.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/15/2018 19:29	17,485.0	17,486.0
7,256.9		Linked Zone Niobrara-Ft Hays, Original Hole	12/15/2018 19:29	17,515.0	17,516.0
7,260.2		Linked Zone Niobrara-Ft Hays, Original Hole	12/15/2018 19:29	17,545.0	17,546.0
7,260.5		Linked Zone Niobrara-Ft Hays, Original Hole	12/15/2018 19:29	17,575.0	17,576.0
7,513.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/15/2018 10:30	17,605.0	17,606.0
18,549.9					
18,550.9					



# PA Wellbore For State - Horizontal, Vertical Section

Well Name: Geib 26V-304

Original Hole [Land]		Perforations			
MD (ftKB)	Vertical schematic (actual)	Linked Zone Niobrara-Ft Hays, Original Hole	Date	Top Depth (ftKB)	Bottom Depth (ftKB)
		Linked Zone Niobrara-Ft Hays, Original Hole	12/15/2018 10:30	17,638.0	17,639.0
		Linked Zone Niobrara-Ft Hays, Original Hole	12/15/2018 10:30	17,665.0	17,666.0
23.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/15/2018 10:30	17,695.0	17,696.0
24.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/15/2018 10:30	17,725.0	17,726.0
1,530.8		Linked Zone Niobrara-Ft Hays, Original Hole	12/15/2018 10:30	17,755.0	17,756.0
1,587.9		Linked Zone Niobrara-Ft Hays, Original Hole	12/15/2018 03:50	17,785.0	17,786.0
1,630.9		Linked Zone Niobrara-Ft Hays, Original Hole	12/15/2018 03:50	17,815.0	17,816.0
1,649.9		Linked Zone Niobrara-Ft Hays, Original Hole	12/15/2018 03:50	17,845.0	17,846.0
1,831.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/15/2018 03:50	17,875.0	17,876.0
2,200.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/15/2018 03:50	17,905.0	17,906.0
2,292.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/15/2018 03:50	17,935.0	17,936.0
2,392.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/14/2018 21:08	17,965.0	17,966.0
2,394.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/14/2018 21:08	17,995.0	17,996.0
6,871.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/14/2018 21:08	18,025.0	18,026.0
6,971.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/14/2018 21:08	18,052.0	18,053.0
6,973.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/14/2018 21:08	18,086.0	18,087.0
7,038.7		Linked Zone Niobrara-Ft Hays, Original Hole	12/14/2018 21:08	18,116.0	18,117.0
7,038.7		Linked Zone Niobrara-Ft Hays, Original Hole	12/14/2018 10:37	18,146.0	18,147.0
7,221.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/14/2018 10:37	18,176.0	18,177.0
7,222.4		Linked Zone Niobrara-Ft Hays, Original Hole	12/14/2018 10:37	18,206.0	18,207.0
7,253.0		Linked Zone Niobrara-Ft Hays, Original Hole	12/14/2018 10:37	18,238.0	18,239.0
7,256.9		Linked Zone Niobrara-Ft Hays, Original Hole	12/14/2018 10:37	18,266.0	18,267.0
7,260.2		Linked Zone Niobrara-Ft Hays, Original Hole	12/14/2018 10:37	18,296.0	18,297.0
7,260.5		Linked Zone Niobrara-Ft Hays, Original Hole	12/14/2018 03:28	18,326.0	18,327.0
7,513.1		Linked Zone Niobrara-Ft Hays, Original Hole	12/14/2018 03:28	18,356.0	18,357.0
18,549.9					
18,550.9					



# PA Wellbore For State - Horizontal, Vertical Section

Well Name: Geib 26V-304

