



Proposed PA WBD - Horizontal

Well Name: KEOTA PC LB26-62HN

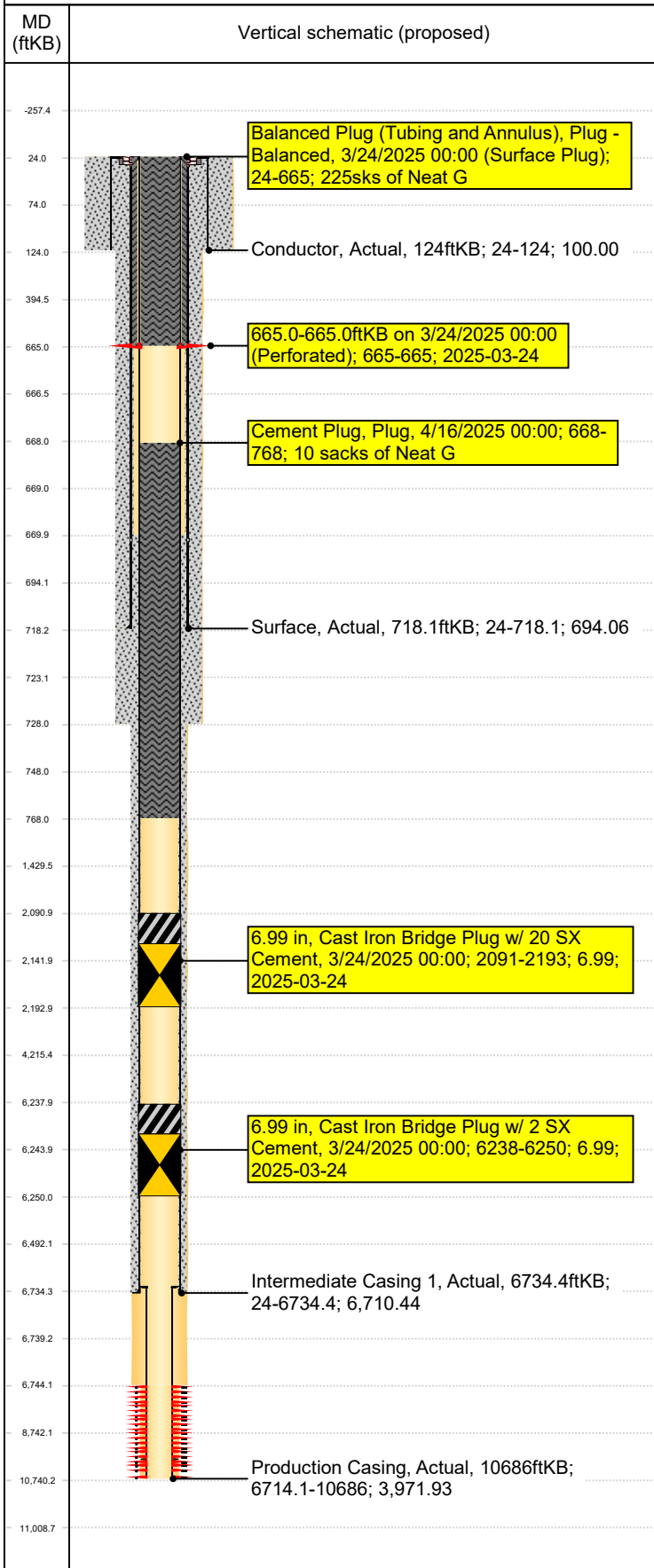
<Des> [Land]		<div>Well Header</div> <div><div>Surface UWI 0512336549</div><div>Business Unit Rockies</div><div>Gov Auth Dist</div><div>Prod Tree Loc Land</div></div> <div><div>Orig. KB to Gnd (ft) 24.00</div><div>Original Spud Date 2/15/2013</div><div>Abandon Date</div><div>Well Sub-Status PR</div><div>High...</div><div>N</div></div> <div>Comment</div>									
MD (ftKB)	Vertical schematic (proposed)	<div>Geologic Horizons</div> <div>Formation Name</div> <div>Final Top MD (ftKB)</div> <div>Final Btm MD (ftKB)</div>									
		<div>Surface Location (Congressional)</div> <div><div>Qtr 3 SE</div><div>Qtr 4 SE</div><div>Section 27</div><div>Twنش... 9</div><div>Twنش... N</div><div>Range 60</div><div>Rng E/... W</div><div>Latitude (°) 40.71736715 7</div><div>Longitude (°) -104.069998188</div></div>									
		<div>Casing Strings</div> <div><div>Csg Des</div><div>Run Date</div><div>OD (in)</div><div>Wt/Len (lb/ft)</div><div>Grade</div><div>Top Depth (MD) (ftKB)</div><div>Set Depth (MD) (ftKB)</div></div> <div><div>Conductor</div><div>2/11/2013</div><div>16</div><div>42.09</div><div>A252A</div><div>24</div><div>124</div></div> <div><div>Surface</div><div>2/15/2013</div><div>9 5/8</div><div>36.00</div><div>J-55</div><div>24</div><div>718.1</div></div> <div><div>Intermediate Casing 1</div><div>2/18/2013</div><div>7</div><div>26.00</div><div>P-110</div><div>24</div><div>6734.4</div></div> <div><div>Production Casing</div><div>2/23/2013</div><div>4 1/2</div><div>11.60</div><div>P-110</div><div>6714.1</div><div>10686</div></div>									
		<div>Cement</div> <div><div>Des</div><div>Start Date</div><div>Top (ftKB)</div><div>Btm (ftKB)</div></div> <div><div>Conductor Casing Cement</div><div>2/11/2013</div><div>24.0</div><div>124.0</div></div> <div><div>Surface Casing Cement</div><div>2/16/2013</div><div>24.0</div><div>718.1</div></div> <div><div>Intermediate Casing Cement</div><div>2/19/2013</div><div>670.0</div><div>6,734.4</div></div>									
		<div>Stim/Frac Summary</div> <div><div>Min Top Depth (ftKB) 6,822.0</div><div>Max Btm Depth (ftKB) 10,604.0</div></div>									
		<div>Perforations</div> <div><div>Linked Zone</div><div>Date 3/24/2025 00:00</div><div>Top Depth (ftKB) 665.0</div><div>Bottom Depth (ftKB) 665.0</div></div> <div><div>Linked Zone</div><div>Date 4/8/2013 11:25</div><div>Top Depth (ftKB) 6,822.0</div><div>Bottom Depth (ftKB) 6,823.0</div></div> <div><div>Linked Zone</div><div>Date 4/8/2013 11:25</div><div>Top Depth (ftKB) 7,056.0</div><div>Bottom Depth (ftKB) 7,057.0</div></div> <div><div>Linked Zone</div><div>Date 4/8/2013 11:25</div><div>Top Depth (ftKB) 7,242.0</div><div>Bottom Depth (ftKB) 7,243.0</div></div> <div><div>Linked Zone</div><div>Date 4/8/2013 11:25</div><div>Top Depth (ftKB) 7,434.0</div><div>Bottom Depth (ftKB) 7,435.0</div></div> <div><div>Linked Zone</div><div>Date 4/8/2013 11:25</div><div>Top Depth (ftKB) 7,626.0</div><div>Bottom Depth (ftKB) 7,627.0</div></div> <div><div>Linked Zone</div><div>Date 4/8/2013 11:25</div><div>Top Depth (ftKB) 7,817.0</div><div>Bottom Depth (ftKB) 7,818.0</div></div> <div><div>Linked Zone</div><div>Date 4/8/2013 11:25</div><div>Top Depth (ftKB) 8,008.0</div><div>Bottom Depth (ftKB) 8,009.0</div></div> <div><div>Linked Zone</div><div>Date 4/8/2013 11:25</div><div>Top Depth (ftKB) 8,198.0</div><div>Bottom Depth (ftKB) 8,199.0</div></div> <div><div>Linked Zone</div><div>Date 4/8/2013 11:25</div><div>Top Depth (ftKB) 8,387.0</div><div>Bottom Depth (ftKB) 8,388.0</div></div> <div><div>Linked Zone</div><div>Date 4/8/2013 11:25</div><div>Top Depth (ftKB) 8,589.0</div><div>Bottom Depth (ftKB) 8,590.0</div></div> <div><div>Linked Zone</div><div>Date 4/8/2013 11:25</div><div>Top Depth (ftKB) 8,778.0</div><div>Bottom Depth (ftKB) 8,779.0</div></div> <div><div>Linked Zone</div><div>Date 4/8/2013 11:25</div><div>Top Depth (ftKB) 8,965.0</div><div>Bottom Depth (ftKB) 8,966.0</div></div> <div><div>Linked Zone</div><div>Date 4/8/2013 11:25</div><div>Top Depth (ftKB) 9,166.0</div><div>Bottom Depth (ftKB) 9,167.0</div></div> <div><div>Linked Zone</div><div>Date 4/8/2013 11:25</div><div>Top Depth (ftKB) 9,394.0</div><div>Bottom Depth (ftKB) 9,395.0</div></div>									



Proposed PA WBD - Horizontal

Well Name: KEOTA PC LB26-62HN

<Des> [Land]



Perforations

Linked Zone	Date	Top Depth (ftKB)	Bottom Depth (ftKB)
NIOBRARA, Original Hole	4/8/2013 11:25	9,584.0	9,585.0
NIOBRARA, Original Hole	4/8/2013 11:25	9,778.0	9,779.0
NIOBRARA, Original Hole	4/8/2013 11:25	9,967.0	9,968.0
NIOBRARA, Original Hole	4/8/2013 11:25	10,157.0	10,158.0
NIOBRARA, Original Hole	4/8/2013 11:25	10,158.0	10,159.0
NIOBRARA, Original Hole	4/8/2013 11:25	10,350.0	10,351.0
NIOBRARA, Original Hole	4/8/2013 11:25	10,603.0	10,604.0

Other In Hole

Run Date	Des	OD (in)	Top (ftKB)	Btm (ftKB)

Logs

Date	Type	Depth Top (MD) (ftKB)	Btm (ftKB)
2/18/2013	MWD GAMMA	728	6,744.0
2/22/2013	MUD LOG- HZ & VERT.	1,000	10,740.0
2/22/2013	MWD GAMMA - MD & TVD	728	10,740.0
3/12/2013	CBL/CCL/GR	24	6,579.0