



Well Name: NELSON RANCHES A 7

Vertical - Original Hole, 8/5/2015 3:37:23 PM		Jobs																																																																																																																																																																																																																																																																																																																																																																																																						
<table><tr><th>MD (ftKB)</th><th>Vertical schematic (actual)</th></tr><tr><td></td><td></td></tr><tr><td>-155.3</td><td></td></tr><tr><td>11.2</td><td></td></tr><tr><td>15.1</td><td>1-1; Tubing Sub; 2 3/8; 11.0; 8.10</td></tr><tr><td>19.0</td><td></td></tr><tr><td>161.3</td><td>1-1; Casing Joints; 8 5/8; 8.097; 11.0; 292.50</td></tr><tr><td>303.5</td><td></td></tr><tr><td>303.8</td><td>1-2; Guide Shoe; 8 5/8; 303.5; 0.50</td></tr><tr><td>304.1</td><td></td></tr><tr><td>1,104.5</td><td></td></tr><tr><td>1,904.9</td><td>1-2; Tubing; 2 3/8; 19.1; 6,525.77 2-1; Casing Joints; 4 1/2; 4.000; 11.0; 6,644.50</td></tr><tr><td>3,940.0</td><td></td></tr><tr><td>5,975.1</td><td></td></tr><tr><td>6,260.0</td><td></td></tr><tr><td>6,544.9</td><td></td></tr><tr><td>6,545.4</td><td>1-3; Seating Nipple; 2 3/8; 6,544.9; 1.10</td></tr><tr><td>6,545.9</td><td></td></tr><tr><td>6,549.5</td><td></td></tr><tr><td>6,553.1</td><td></td></tr><tr><td>6,555.6</td><td>Perforated; 6,553.0-6,558.0; 8/11/1998</td></tr><tr><td>6,558.1</td><td></td></tr><tr><td>6,572.0</td><td></td></tr><tr><td>6,586.0</td><td></td></tr><tr><td>6,612.5</td><td>Sand Fill; 4; 6,586.0-6,639.0</td></tr><tr><td>6,639.1</td><td></td></tr><tr><td>6,647.3</td><td></td></tr><tr><td>6,655.5</td><td></td></tr><tr><td>6,655.7</td><td></td></tr><tr><td>6,655.8</td><td>2-2; Guide Shoe; 4 1/2; 6,655.5; 0.50</td></tr><tr><td>6,662.9</td><td></td></tr><tr><td>6,669.9</td><td></td></tr><tr><td>6,836.4</td><td></td></tr><tr><td colspan="2">Com</td></tr></table>		MD (ftKB)	Vertical schematic (actual)			-155.3		11.2		15.1	1-1; Tubing Sub; 2 3/8; 11.0; 8.10	19.0		161.3	1-1; Casing Joints; 8 5/8; 8.097; 11.0; 292.50	303.5		303.8	1-2; Guide Shoe; 8 5/8; 303.5; 0.50	304.1		1,104.5		1,904.9	1-2; Tubing; 2 3/8; 19.1; 6,525.77 2-1; Casing Joints; 4 1/2; 4.000; 11.0; 6,644.50	3,940.0		5,975.1		6,260.0		6,544.9		6,545.4	1-3; Seating Nipple; 2 3/8; 6,544.9; 1.10	6,545.9		6,549.5		6,553.1		6,555.6	Perforated; 6,553.0-6,558.0; 8/11/1998	6,558.1		6,572.0		6,586.0		6,612.5	Sand Fill; 4; 6,586.0-6,639.0	6,639.1		6,647.3		6,655.5		6,655.7		6,655.8	2-2; Guide Shoe; 4 1/2; 6,655.5; 0.50	6,662.9		6,669.9		6,836.4		Com		<table><tr><th colspan="2">Job Type</th><th>Start Date</th><th colspan="2">Summary</th></tr><tr><td colspan="2">Drill & Complete</td><td>6/22/1998</td><td colspan="2"></td></tr><tr><td colspan="2">Swabbing</td><td>1/13/2010</td><td colspan="2"></td></tr><tr><td colspan="2">Swabbing</td><td>8/8/2013</td><td colspan="2"></td></tr><tr><td colspan="2">RA Tracer Survey</td><td>4/17/2015</td><td colspan="2"></td></tr><tr><td colspan="5">Perforations</td></tr><tr><th colspan="2">Type of Hole</th><th>Date</th><th>Top (ftKB)</th><th>Btm (ftKB)</th></tr><tr><td colspan="2">Perforated</td><td>8/11/1998</td><td>6,553.0</td><td>6,558.0</td></tr><tr><td colspan="5">Stim/Treat Stages</td></tr><tr><th>Stage Type</th><th>Start Date</th><th>Top (ftKB)</th><th>Btm (ftKB)</th><th>Stim/Treat Fluid</th><th>Vol Clean Pump (bbl)</th></tr><tr><td>Breakdown</td><td>8/13/1998</td><td>6,553.0</td><td>6,558.0</td><td>40-1" balls, Lease, Crude</td><td>96.00</td></tr><tr><td>Frac</td><td>8/28/1998</td><td>6,553.0</td><td>6,558.0</td><td>5K# RCS, 22500# 20/40 Ottawa sand in Marfrac 30, Gelled Water</td><td>432.00</td></tr><tr><td colspan="6">Wellbore Sections</td></tr><tr><th>Section Des</th><th>Wellbore Name</th><th>Size (in)</th><th>Act Top (ftKB)</th><th>Act Btm (ftKB)</th><th>Start Date</th><th>End Date</th></tr><tr><td>Surface</td><td>Original Hole</td><td>12 1/4</td><td>11.0</td><td>1,905.0</td><td>6/22/1998</td><td>6/22/1998</td></tr><tr><td>Production</td><td>Original Hole</td><td>7 7/8</td><td>1,905.0</td><td>6,670.0</td><td>6/23/1998</td><td>6/25/1998</td></tr><tr><td colspan="7">Surface Csg, 304.0ftKB</td></tr><tr><td colspan="5">Comment</td><td colspan="2">Run Date</td></tr><tr><td colspan="5"></td><td colspan="2">6/22/1998</td></tr><tr><th>OD (in)</th><th>Wt (lb/ft)</th><th>Grade</th><th>Top (ftKB)</th><th>Btm (ftKB)</th><th>Len (ft)</th><th>Item Des</th></tr><tr><td>8 5/8</td><td>24.00</td><td>J-55</td><td>11.0</td><td>303.5</td><td>292.50</td><td>Casing Joints</td></tr><tr><td>8 5/8</td><td></td><td></td><td>303.5</td><td>304.0</td><td>0.50</td><td>Guide Shoe</td></tr><tr><td colspan="7">Production Csg, 6,656.0ftKB</td></tr><tr><td colspan="5">Comment</td><td colspan="2">Run Date</td></tr><tr><td colspan="5"></td><td colspan="2">6/26/1998</td></tr><tr><th>OD (in)</th><th>Wt (lb/ft)</th><th>Grade</th><th>Top (ftKB)</th><th>Btm (ftKB)</th><th>Len (ft)</th><th>Item Des</th></tr><tr><td>4 1/2</td><td>11.60</td><td>L-80</td><td>11.0</td><td>6,655.5</td><td>6,644.50</td><td>Casing Joints</td></tr><tr><td>4 1/2</td><td></td><td></td><td>6,655.5</td><td>6,656.0</td><td>0.50</td><td>Guide Shoe</td></tr><tr><td colspan="7">Cement Stages</td></tr><tr><th colspan="2">Des</th><th>Top (ftKB)</th><th>Btm (ftKB)</th><th colspan="2">Top Meas Meth</th><th>Pump Start Date</th></tr><tr><td colspan="2">Surface Casing Cement</td><td>11.0</td><td>304.0</td><td colspan="2"></td><td>6/22/1998</td></tr><tr><td colspan="2">Production Casing Cement</td><td>5,975.0</td><td>6,656.0</td><td colspan="2"></td><td>6/26/1998</td></tr><tr><td colspan="2">Cement Plug</td><td>6,639.0</td><td>6,656.0</td><td colspan="2"></td><td>6/26/1998</td></tr><tr><td colspan="2">Cement below shoe</td><td>6,656.0</td><td>6,670.0</td><td colspan="2"></td><td>6/26/1998</td></tr><tr><td colspan="7">Other In Hole</td></tr><tr><th colspan="2">Des</th><th>OD (in)</th><th>ID (in)</th><th>Run Date</th><th>Top (ftKB)</th><th>Btm (ftKB)</th></tr><tr><td colspan="2">Sand Fill</td><td>4</td><td></td><td>8/29/1998</td><td>6,586.0</td><td>6,639.0</td></tr><tr><td colspan="7">Tubing set at 6,546.0ftKB on 8/29/1998 06:00</td></tr><tr><td colspan="2">Set Depth (ftKB)</td><td colspan="3">Comment</td><td>Run Date</td><td>Pull Date</td></tr><tr><td colspan="2">6,546.0</td><td colspan="3"></td><td>8/29/1998</td><td></td></tr><tr><th colspan="2">Item Des</th><th>OD (in)</th><th>Len (ft)</th><th>Top (ftKB)</th><th colspan="2">Btm (ftKB)</th></tr><tr><td colspan="2">Tubing Sub</td><td>2 3/8</td><td>8.10</td><td>11.0</td><td colspan="2">19.1</td></tr><tr><td colspan="2">Tubing</td><td>2 3/8</td><td>6,525.77</td><td>19.1</td><td colspan="2">6,544.9</td></tr><tr><td colspan="2">Seating Nipple</td><td>2 3/8</td><td>1.10</td><td>6,544.9</td><td colspan="2">6,546.0</td></tr><tr><td colspan="7"><des> on <dtmrun></td></tr><tr><td colspan="5">Rod Description</td><td colspan="2">Run Date</td></tr><tr><td colspan="5"></td><td colspan="2"></td></tr><tr><th colspan="2">Item Des</th><th>OD (in)</th><th>Len (ft)</th><th>Top (ftKB)</th><th colspan="2">Btm (ftKB)</th></tr><tr><td colspan="2"></td><td></td><td></td><td></td><td colspan="2"></td></tr></table>		Job Type		Start Date	Summary		Drill & Complete		6/22/1998			Swabbing		1/13/2010			Swabbing		8/8/2013			RA Tracer Survey		4/17/2015			Perforations					Type of Hole		Date	Top (ftKB)	Btm (ftKB)	Perforated		8/11/1998	6,553.0	6,558.0	Stim/Treat Stages					Stage Type	Start Date	Top (ftKB)	Btm (ftKB)	Stim/Treat Fluid	Vol Clean Pump (bbl)	Breakdown	8/13/1998	6,553.0	6,558.0	40-1" balls, Lease, Crude	96.00	Frac	8/28/1998	6,553.0	6,558.0	5K# RCS, 22500# 20/40 Ottawa sand in Marfrac 30, Gelled Water	432.00	Wellbore Sections						Section Des	Wellbore Name	Size (in)	Act Top (ftKB)	Act Btm (ftKB)	Start Date	End Date	Surface	Original Hole	12 1/4	11.0	1,905.0	6/22/1998	6/22/1998	Production	Original Hole	7 7/8	1,905.0	6,670.0	6/23/1998	6/25/1998	Surface Csg, 304.0ftKB							Comment					Run Date							6/22/1998		OD (in)	Wt (lb/ft)	Grade	Top (ftKB)	Btm (ftKB)	Len (ft)	Item Des	8 5/8	24.00	J-55	11.0	303.5	292.50	Casing Joints	8 5/8			303.5	304.0	0.50	Guide Shoe	Production Csg, 6,656.0ftKB							Comment					Run Date							6/26/1998		OD (in)	Wt (lb/ft)	Grade	Top (ftKB)	Btm (ftKB)	Len (ft)	Item Des	4 1/2	11.60	L-80	11.0	6,655.5	6,644.50	Casing Joints	4 1/2			6,655.5	6,656.0	0.50	Guide Shoe	Cement Stages							Des		Top (ftKB)	Btm (ftKB)	Top Meas Meth		Pump Start Date	Surface Casing Cement		11.0	304.0			6/22/1998	Production Casing Cement		5,975.0	6,656.0			6/26/1998	Cement Plug		6,639.0	6,656.0			6/26/1998	Cement below shoe		6,656.0	6,670.0			6/26/1998	Other In Hole							Des		OD (in)	ID (in)	Run Date	Top (ftKB)	Btm (ftKB)	Sand Fill		4		8/29/1998	6,586.0	6,639.0	Tubing set at 6,546.0ftKB on 8/29/1998 06:00							Set Depth (ftKB)		Comment			Run Date	Pull Date	6,546.0					8/29/1998		Item Des		OD (in)	Len (ft)	Top (ftKB)	Btm (ftKB)		Tubing Sub		2 3/8	8.10	11.0	19.1		Tubing		2 3/8	6,525.77	19.1	6,544.9		Seating Nipple		2 3/8	1.10	6,544.9	6,546.0		<des> on <dtmrun>							Rod Description					Run Date									Item Des		OD (in)	Len (ft)	Top (ftKB)	Btm (ftKB)								
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