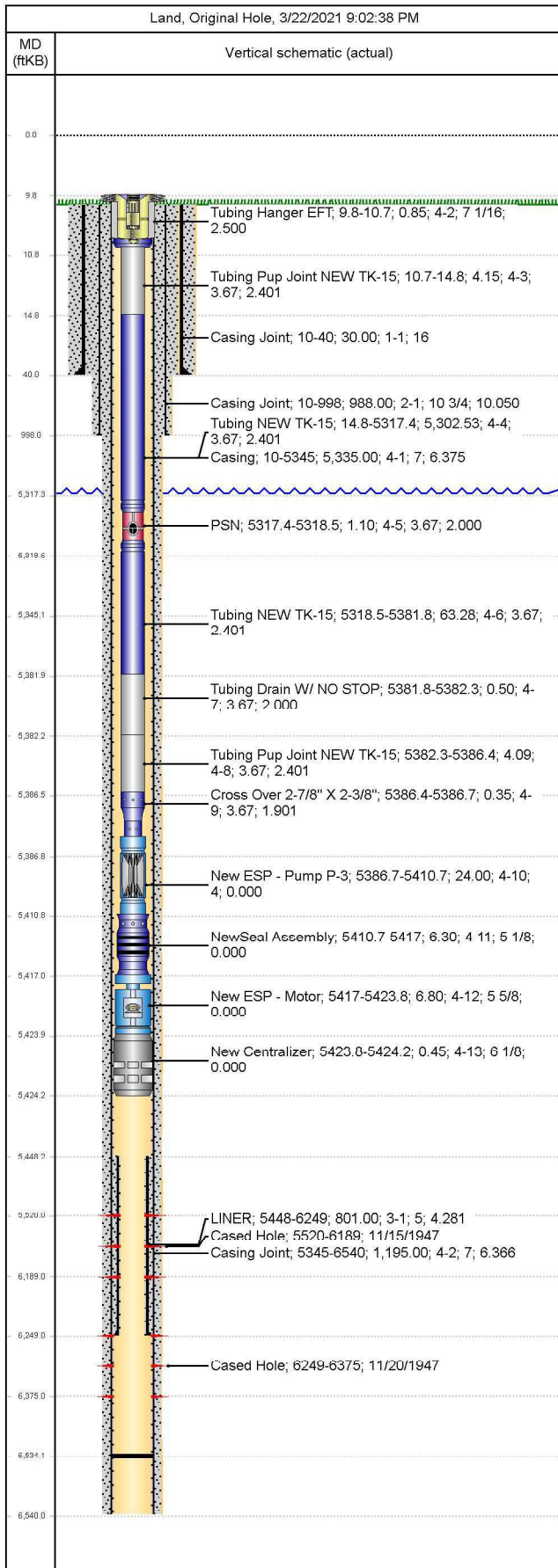




# Wellbore Schematic

Well Name McLaughlin SW 4	Lease McLaughlin SW	Field Name Rangely	Business Unit Mid-Continent
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Job Details						
Job Category			Start Date		Rig/Unit End Date	
Major Rig Work Over (MRWO)			6/28/2018		7/5/2018	
Casing Strings						
Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Set Depth (MD) (ftKB)	
Conductor	16				40	
Surface	10 3/4	40.50	J-55		998	
Production Liner 1	5	18.00	L-80		6249	
Production Casing	7	23.00	J-55		6540	
Tubing Strings						
Tubing - Production set at 5,424.3ftKB on 7/3/2018 08:00						
Tubing Description			Run Date		String Length (ft)	Set Depth (MD) (ftKB)
Tubing - Production			7/3/2018		5,424.25	5,424.3
Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Btm (ftKB)
KB	1	0.0			9.85	9.8
Tubing Hanger EFT	1	7 1/16			0.85	10.7
Tubing Pup Joint NEW TK-15	1	3.668	6.50	J-55	4.15	14.8
Tubing NEW TK-15	168	3.668	6.50	J-55	5,302.53	5,317.4
PSN	1	3.668			1.10	5,318.5
Tubing NEW TK-15	2	3.668	6.50	J-55	63.28	5,381.8
Tubing Drain W/ NO STOP	1	3.668			0.50	5,382.3
Tubing Pup Joint NEW TK-15	1	3.668	6.50	J-55	4.09	5,386.4
Cross Over 2-7/8" X 2-3/8"	1	3.668			0.35	5,386.7
New ESP - Pump P-3	1	4			24.00	5,410.7
NewSeal Assembly	1	5 1/8			6.30	5,417.0
New ESP - Motor	1	5 5/8			6.80	5,423.8
New Centralizer	1	6 1/8			0.45	5,424.3
Perforations						
Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Entered Shot Total	Linked Zone	
11/15/1947	5,520.0	6,189.0				
11/20/1947	6,249.0	6,375.0				
Other Strings						
Run Date	Pull Date	Set Depth (ftKB)	Com			