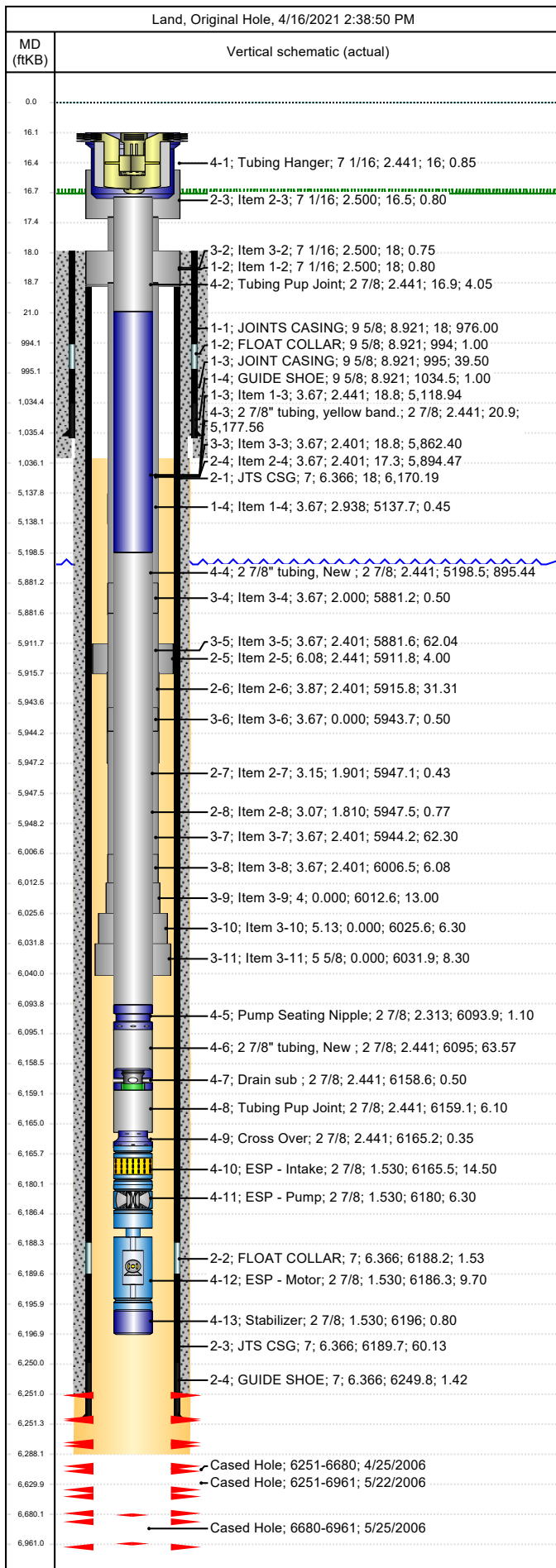




Wellbore Schematic

Well Name McLaughlin AC 86Y	Lease McLaughlin, A.C. Unit	Field Name Rangely	Business Unit Mid-Continent
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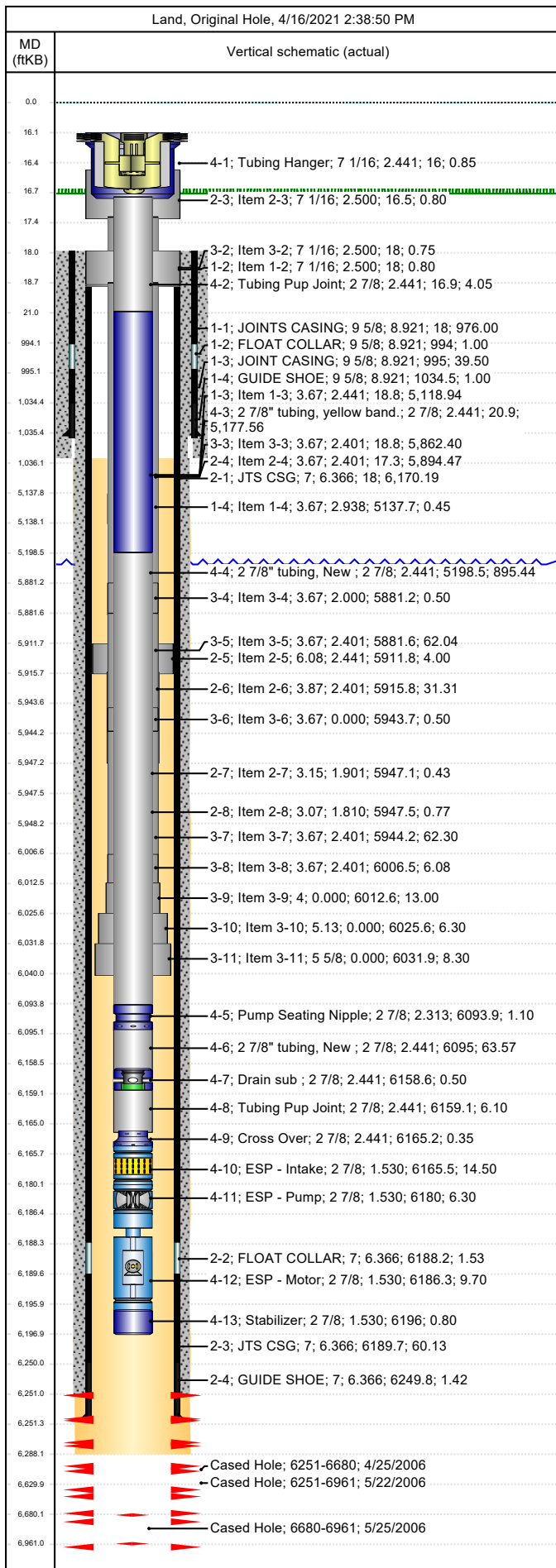


Job Details						
Job Category			Start Date		Rig/Unit End Date	
Major Rig Work Over (MRWO)			12/20/2019		12/20/2019	
Casing Strings						
Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Set Depth (MD) (ftKB)	
Surface	9 5/8	36.00	K-55	8 RD	1035.5	
Production Casing	7	23.00	K-55	8-RD	6251.3	
Tubing Strings						
LONG TUBING set at 5,138.2ftKB on 5/26/2006 00:00						
Tubing Description		Run Date		String Length (ft)	Set Depth (MD) (ftKB)	
LONG TUBING		5/26/2006		5,138.19	5,138.2	
Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Btm (ftKB)
		0.0	0.00	UN	18.00	18.0
		7 1/16	0.00	UN	0.80	18.8
	163	3.668	6.50	J-55	5,118.94	5,137.7
		3.668	0.00	J-55	0.45	5,138.2
LONG TUBING set at 5,948.3ftKB on 7/15/2006 00:00						
Tubing Description		Run Date		String Length (ft)	Set Depth (MD) (ftKB)	
LONG TUBING		7/15/2006		5,948.28	5,948.3	
Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Btm (ftKB)
		0.0	0.00	0.0	18.00	18.0
		0.0	0.00	0.0	-1.50	16.5
		7 1/16	0.00	0.0	0.80	17.3
	190	3.668	6.50	J55	5,894.47	5,911.8
		6.078	0.00	0.0	4.00	5,915.8
	1	3.868	6.50	J55	31.31	5,947.1
		3.147	0.00	0.0	0.43	5,947.5
		3.065	0.00	0.0	0.77	5,948.3
		0.0	0.00	0.0	0.00	5,948.3
LONG TUBING set at 6,040.2ftKB on 4/9/2008 00:00						
Tubing Description		Run Date		String Length (ft)	Set Depth (MD) (ftKB)	
LONG TUBING		4/9/2008		6,040.17	6,040.2	
Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Btm (ftKB)
		0.0	0.00	0	18.00	18.0
		7 1/16	0.00	0	0.75	18.8
	189	3.668	6.50	J-55	5,862.40	5,881.1
		3.668	0.00	0	0.50	5,881.6
	2	3.668	6.50	J-55	62.04	5,943.7
		3.668	0.00	0	0.50	5,944.2
	2	3.668	6.50	J-55	62.30	6,006.5
		3.668	6.50	J-55	6.08	6,012.6
		4	0.00	0	13.00	6,025.6
		5.13	0.00	0	6.30	6,031.9
		5 5/8	0.00	0	8.30	6,040.2
		0.0	0.00	0	0.00	6,040.2
Long tubing set at 6,196.8ftKB on 8/4/2017 14:30						
Tubing Description		Run Date		String Length (ft)	Set Depth (MD) (ftKB)	
Long tubing		8/4/2017		6,180.82	6,196.8	
Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Btm (ftKB)
Tubing Hanger	1	7 1/16			0.85	16.8
Tubing Pup Joint	1	2 7/8	6.50	TK-15	4.05	20.9
2 7/8" tubing, yellow band.	163	2 7/8	6.50	TK-15	5,177.56	5,198.5
2 7/8" tubing, New	28	2 7/8	6.50	TK-15	895.44	6,093.9
Pump Seating Nipple	1	2 7/8			1.10	6,095.0
2 7/8" tubing, New	2	2 7/8	6.50	TK-15	63.57	6,158.6
Drain sub	1	2 7/8			0.50	6,159.1
Tubing Pup Joint	1	2 7/8	6.50	TK-15	6.10	6,165.2
Cross Over	1	2 7/8			0.35	6,165.5
ESP - Intake	1	2 7/8			14.50	6,180.0
ESP - Pump	1	2 7/8			6.30	6,186.3
ESP - Motor	1	2 7/8			9.70	6,196.0
Stabilizer	1	2 7/8			0.80	6,196.8



Wellbore Schematic

Well Name McLaughlin AC 86Y	Lease McLaughlin, A.C. Unit	Field Name Rangely	Business Unit Mid-Continent
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Perforations					
Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Entered Shot Total	Linked Zone
5/22/2006	6,251.0	6,961.0			
4/25/2006	6,251.0	6,680.0			
5/25/2006	6,680.0	6,961.0			

Other Strings			
Run Date	Pull Date	Set Depth (ftKB)	Com