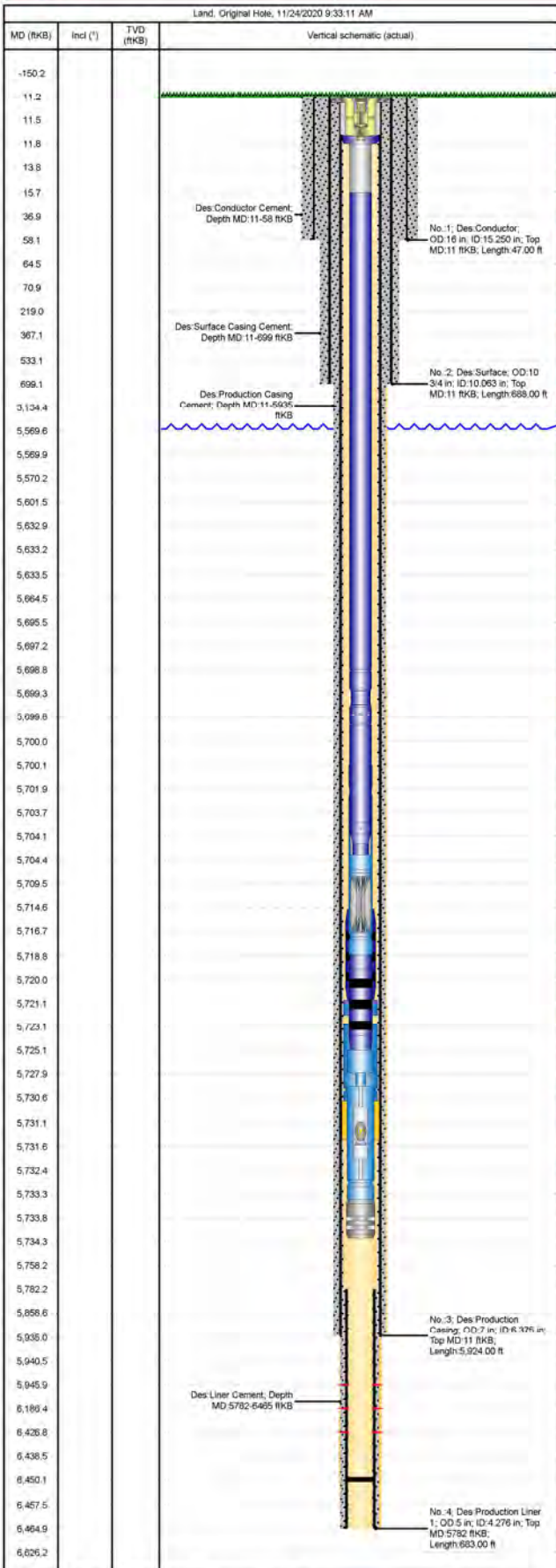




Wellbore Schematic

Well Name Gray A 12	Lease Gray 'A'	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)			2/18/2020		2/21/2020	
Casing Strings						
Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Set Depth (MD) (ftKB)	
Conductor	16	65.00	H-40		58	
Surface	10 3/4	40.50	J-55		699	
Production Casing	7	23.00	J-55		5935	
Production Liner 1	5	18.00	L-80		6465	
Tubing Strings						
Tubing - Production set at 5,731.5ftKB on 8/8/2013 09:00						
Tubing Description			Run Date		String Length (ft)	Set Depth (MD) (ftKB)
Tubing - Production			8/8/2013		5,720.42	5,731.5
Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Btm (ftKB)
Tubing Hanger-EFT		7 1/16			0.80	11.8
Tubing 2-7/8" prod. TK-15 & TK-2 (Rerun)	178	2 7/8	6.50	J-55	5,557.70	5,569.5
Tubing Drain (NEW)		2 7/8			0.50	5,570.0
Tubing 2-7/8" TK-2 (Rerun)	2	2 7/8	6.50	J-55	62.91	5,633.0
Valve (New)		2 7/8			0.50	5,633.5
Tubing TK-2 (Rerun)	2	2 7/8	6.50	J-55	62.20	5,695.7
Tubing Pup Joint TK-15 (Rerun)		2 7/8	6.50	J55	4.06	5,699.7
Crossover 2-7/8 X 2-3/8		2 7/8	6.50	J55	0.45	5,700.2
ESP - P-12 (New)		4	0.00	0	14.50	5,714.7
Seal (New)		5 1/8	0.00	0	6.30	5,721.0
ESP - Motor (New)		5 5/8	0.00	0	9.70	5,730.7
Centralizer New		6 1/8			0.80	5,731.5
Tubing - Production set at 5,734.2ftKB on 2/21/2020 08:30						
Tubing Description			Run Date		String Length (ft)	Set Depth (MD) (ftKB)
Tubing - Production			2/21/2020		5,723.17	5,734.2
Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Btm (ftKB)
EFT Hanger w/ BPP	1	7 1/16		0	0.80	11.8
(4') 2 7/8" TK-15 Pup (New)	1	3.668	6.50	J55	4.02	15.8
2 7/8" TK-15 (New to well - DYB)	195	3.668	6.50	J55	5,682.93	5,698.8
PSN	1	3.668			1.10	5,699.9
(4') 2 2 7/8" TK-15 Pup (New)	1	3.668	6.50	J55	4.02	5,703.9
2 7/8" x 2 3/8" Cross Over	1	3.668			0.45	5,704.3
ESP - Pump - P-12	1	4			14.50	5,718.8
Seal	1	4			6.30	5,725.1
ESP - Motor	1	4 1/2			8.25	5,733.4
Centrlizer	1	4 3/4			0.80	5,734.2
Perforations						
Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Entered Shot Total	Linked Zone	
8/1/1984	5,946.0	6,427.0				
Other Strings						
Run Date	Pull Date	Set Depth (ftKB)	Com			
2/21/2020		71.0	60' Chemical Stinger			