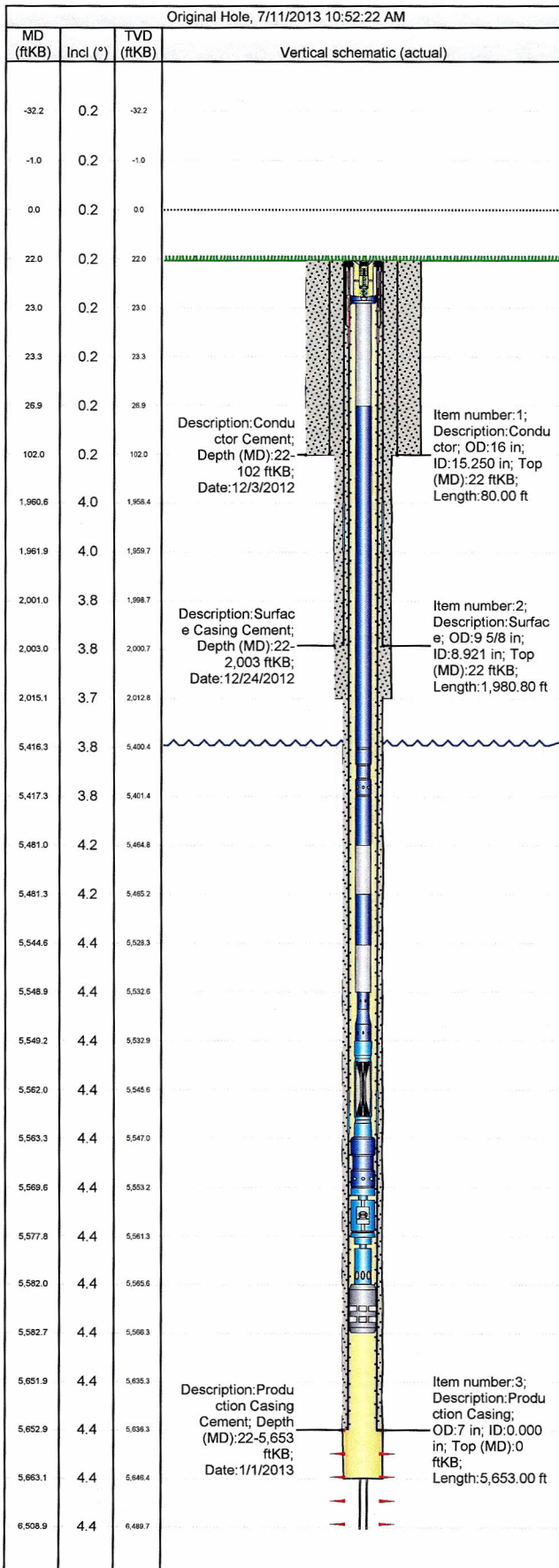




Wellbore Schematic

Well Name Fee 163X	Lease Fee	Field Name Rangely	Business Unit Mid-Continent
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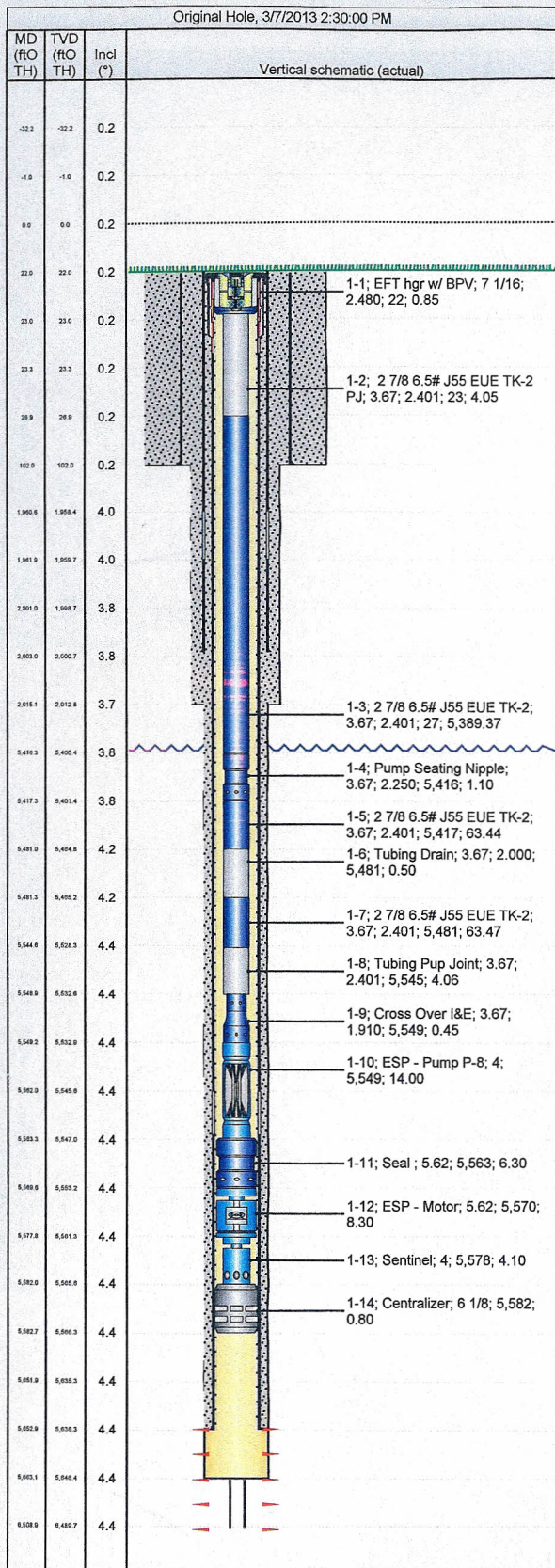


Job Details						
Job Category		Start Date		Release Date		
Completion		2/13/2013		2/14/2013		
Completion		2/15/2013		2/20/2013		
Completion		2/21/2013		3/7/2013		
Casing Strings						
Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Set Depth (MD) (ftKB)	
Conductor	16	65.00	H-40		102	
Surface	9 5/8	36.00	J-55	LT&C	2,003	
Production Casing	7	23.00	L-80	LT&C	5,653	
Tubing Strings						
Tubing - Production set at 5,582.8ftKB on 3/7/2013 14:30						
Tubing Description		Run Date		String Length (ft)	Set Depth (MD) (ftKB)	
Tubing - Production		3/7/2013		5,560.79	5,582.8	
Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Btm (ftKB)
EFT hgr w/ BPV		7 1/16			0.85	22.9
2 7/8 6.5# J55 EUE TK-2 PJ		3.668	6.50	J-55	4.05	26.9
2 7/8 6.5# J55 EUE TK-2	170	3.668	6.50	J-55	5,389.37	5,416.3
Pump Seating Nipple		3.668			1.10	5,417.4
2 7/8 6.5# J55 EUE TK-2	2	3.668	6.50	J-55	63.44	5,480.8
Tubing Drain		3.668			0.50	5,481.3
2 7/8 6.5# J55 EUE TK-2	2	3.668	6.50	J-55	63.47	5,544.8
Tubing Pup Joint		3.668	6.50	j-55	4.06	5,548.8
Cross Over I&E		3.668			0.45	5,549.3
ESP - Pump P-8		4			14.00	5,563.3
Seal		5.62			6.30	5,569.6
ESP - Motor		5.62			8.30	5,577.9
Sentinel		4			4.10	5,582.0
Centralizer		6 1/8			0.80	5,582.8
Landed						5,582.8
Perforations						
Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Entered Shot Total	Zone & Completion	
2/5/2013	5,653.0	6,509.0			Weber, Original Hole	
Other Strings						
Run Date	Pull Date	Set Depth (ftKB)	Com			
Other In Hole						
Des	Top (ftKB)	Btm (ftKB)	Run Date	Pull Date	Com	
7" Klien RBP	5,000.0	5,006.5	2/20/2013	2/22/2013	Flush csg w/ 10# brine prior to setting RBP. Well on vac.	



Tubing Summary

Well Name Fee 163X	Lease Fee	Field Name Rangely	Business Unit Mid-Continent/Alaska
Ground Elevation (ft) 5,268.00	Original RKB Elevation (ft) 5,290.00	Current RKB Elevation 5,290.00, 12/15/2012	Mud Line Elevation (ft) Water Depth (ft)
Current KB to Ground (ft) 22.00	Current KB to Mud Line (ft)	Current KB to Csg Flange (ft)	Current KB to Tubing Head (ft)



Tubing Strings

Tubing Description		Planned Run?		Set Depth (MD) (ftOTH)		Set Depth (TVD) (ftOTH)			
Tubing - Production		N		5,582.8		5,566.4			
Run Date		Run Job		Pull Date		Pull Job			
3/7/2013		Complete, 2/13/2013 08:00							
Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Len (ft)	Top (ftOTH)	Btm (ftOTH)
	EFT hgr w/ BPV	7 1/16	2.480				0.85	22.0	22.9
	2 7/8 6.5# J55 EUE TK-2 PJ	3.668	2.401	6.50	J-55		4.05	22.9	26.9
170	2 7/8 6.5# J55 EUE TK-2	3.668	2.401	6.50	J-55		5,389.37	26.9	5,416.3
	Pump Seating Nipple	3.668	2.250				1.10	5,416.3	5,417.4
2	2 7/8 6.5# J55 EUE TK-2	3.668	2.401	6.50	J-55		63.44	5,417.4	5,480.8
	Tubing Drain	3.668	2.000				0.50	5,480.8	5,481.3
2	2 7/8 6.5# J55 EUE TK-2	3.668	2.401	6.50	J-55		63.47	5,481.3	5,544.8
	Tubing Pup Joint	3.668	2.401	6.50	j-55		4.06	5,544.8	5,548.8
	Cross Over I&E	3.668	1.910				0.45	5,548.8	5,549.3
	ESP - Pump P-8	4					14.00	5,549.3	5,563.3
	Seal	5.62					6.30	5,563.3	5,569.6
	ESP - Motor	5.62					8.30	5,569.6	5,577.9
	Sentinel	4					4.10	5,577.9	5,582.0
	Centralizer Landed	6 1/8					0.80	5,582.0	5,582.8
								5,582.8	5,582.8

Rod Strings

Rod Description	Planned Run?	Set Depth (ftOTH)	Set Depth (TVD) (ftOTH)
Run Date	Run Job	Pull Date	Pull Job

Rod Components

Jts	Item Des	OD (in)	Grade	Model	Len (ft)	Top (ftOTH)	Btm (ftOTH)
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