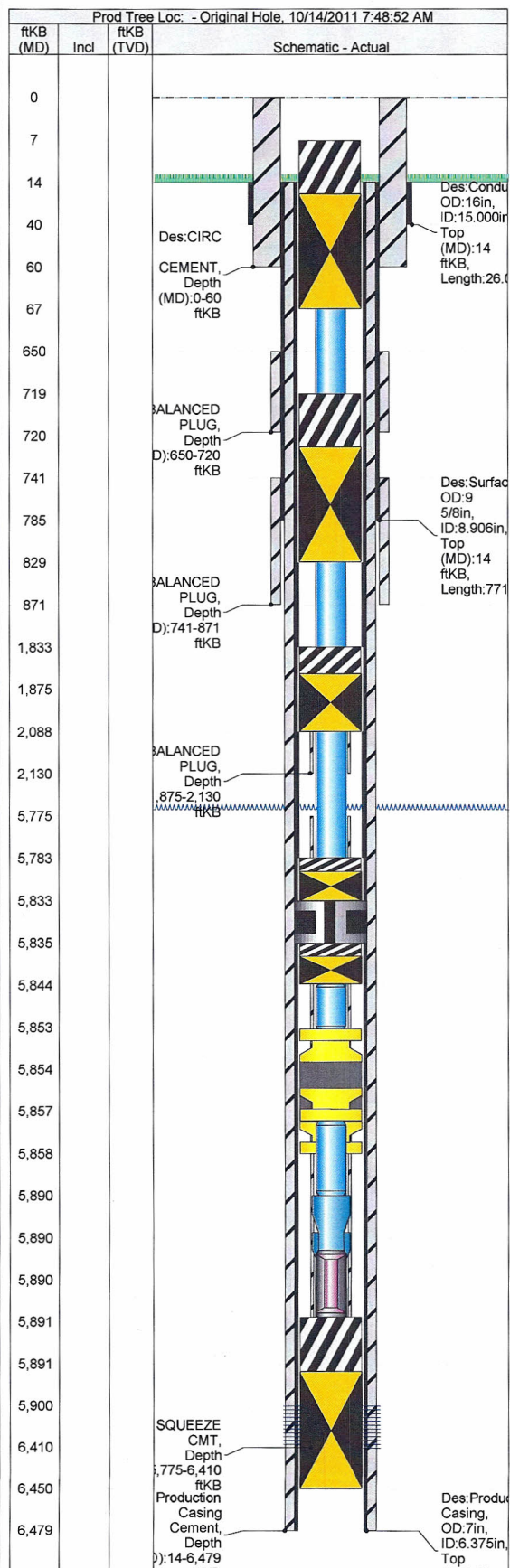




Casing, Liner and Cement report

Production Casing

Well Name Oldland E 5X	Lease Oldland E	Field Name Rangely	Business Unit Mid-Continent/Alaska	
Ground Elevation (ft) 5,224.00	Original RKB Elevation (ft) 5,238.00	Current RKB Elevation (ft) 5,238.00	Mud Line Elevation (ft)	Water Depth (ft)



Last Mud Check

Date	Mud/Brine Type	Depth (MD) (ftKB)	Fluid Density (lb/gal)	Hidden (cp)	Hidden (lb/100ft³)

Casing

Casing Description Production Casing	Run Date 11/17/2001 00:00	String OD (in) 7	Top Depth (MD) (ft...) 14	Set Depth (MD) (ft...) 6,479	Dens Fluid (lb/gal)
--	-------------------------------------	----------------------------	-------------------------------------	--	---------------------

Jts	Item Description	OD (in)	ID (in)	Wt (lbs/ft)	Grade	Len (ft)	Top Depth (MD) (ftKB)	Btm Depth (MD) (ftKB)
	Casing	7	6.375	23.00	K-55	6,465.00	14	6,479

Cement: Production Casing Cement

Cementing Start Date	Cementing End Date	Wellbore Original Hole
Evaluation Method	Cement Evaluation Results	

Cement Stages: Production Casing Cement

Top (ftKB) 14.0	Bottom (ftKB) 6,479.0	Full Return?	Cmnt Rtn...	Top Plug?	Bottom Plug?
Q (start) (bbl/min)	Q (end) (bbl/min)	Q (avg) (bbl/min)	P (final) (psi)	P (bump) (psi)	
Pipe Reciprocated?	Stroke (ft)	Reciprocation Rate (spm)	Pipe Rotated?	Pipe RPM (rpm)	
Depth Tagged (ftKB)	Tag Method	Plug Depth (ftKB)	Drill Out Diameter (in)	Drill Out Date	

Cement Fluids: Production Casing Cement

Fluid Type	Fluid Description	Quantity (...)	Class	Volume Pumped (bbl)
Estimated Top (ftKB)	Estimated Bottom (ftKB)	Yield (ft³/sack)	Fluid Mix Ratio (gal/sack)	Free Water (%)
Density (lb/gal)	Zero Gel Time (lb/100ft³)	Thickening Time (hrs)	1st Compressive Strength (psi)	

Cement Fluid Additives

Add	Type	Conc