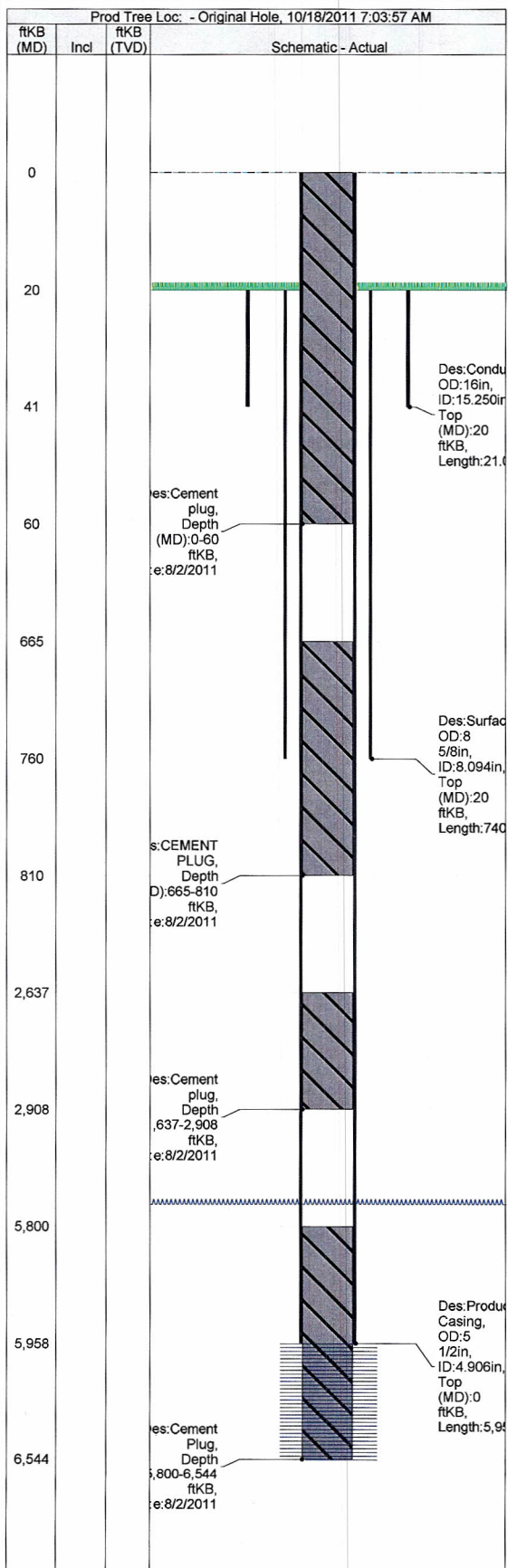




Casing, Liner and Cement report

Production Casing

Well Name Larson FV B26Y	Lease Larson, F.V.	Field Name Rangely	Business Unit Mid-Continent/Alaska
Ground Elevation (ft) 5,228.00	Original RKB Elevation (ft) 5,248.00	Current RKB Elevation (ft) 5,248.00	Mud Line Elevation (ft) 5,248.00
Water Depth (ft) 0			



Last Mud Check

Date	Mud/Brine Type	Depth (MD) (ftKB)	Fluid Density (lb/gal)	Hidden (cp)	Hidden (lb/100ft ³)

Casing

Casing Description Production Casing	Run Date 11/22/1990 00:00	String OD (in) 5 1/2	Top Depth (MD) (ft...) 0	Set Depth (MD) (ft...) 5,958	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 Joint	5 1/2	4.906	17.00	K-55	5,958.00	0	5,958

Cement: Cement Plug

Cementing Start Date 8/2/2011	Cementing End Date 8/2/2011	Wellbore Original Hole
Evaluation Method	Cement Evaluation Results	

Cement Stages: Cement Plug

Top (ftKB) 2,637.0	Bottom (ftKB) 2,908.0	Full Return? No	Cmnt Rtrn... No	Top Plug? No	Bottom Plug? No
Q (start) (bbl/min)	Q (end) (bbl/min)	Q (avg) (bbl/min)	P (final) (psi)	P (bump) (psi)	
Pipe Reciprocated? No	Stroke (ft)	Reciprocation Rate (spm)	Pipe Rotated? No	Pipe RPM (rpm)	
Depth Tagged (ftKB)	Tag Method Work String	Plug Depth (ftKB)	Drill Out Diameter (in)	Drill Out Date	

Cement Fluids: Cement Plug

Fluid Type	Fluid Description	Quantity (...)	Class	Volume Pumped (bbl)
Estimated Top (ftKB)	Estimated Bottom (ftKB)	Yield (ft ³ /sack)	Fluid Mix Ratio (gal/sack)	Free Water (%)
Density (lb/gal)	Zero Gel Time (lb/100ft ³)	Thickening Time (hrs)	1st Compressive Strength (psi)	

Cement Fluid Additives

Add	Type	Conc

Cement Stages: Cement Plug

Top (ftKB) 665.0	Bottom (ftKB) 810.0	Full Return? No	Cmnt Rtrn... No	Top Plug? No	Bottom Plug? No
Q (start) (bbl/min)	Q (end) (bbl/min)	Q (avg) (bbl/min)	P (final) (psi)	P (bump) (psi)	
Pipe Reciprocated? No	Stroke (ft)	Reciprocation Rate (spm)	Pipe Rotated? No	Pipe RPM (rpm)	
Depth Tagged (ftKB)	Tag Method	Plug Depth (ftKB)	Drill Out Diameter (in)	Drill Out Date	

Cement Fluids: Cement Plug

Fluid Type	Fluid Description	Quantity (...)	Class	Volume Pumped (bbl)
Estimated Top (ftKB)	Estimated Bottom (ftKB)	Yield (ft ³ /sack)	Fluid Mix Ratio (gal/sack)	Free Water (%)
Density (lb/gal)	Zero Gel Time (lb/100ft ³)	Thickening Time (hrs)	1st Compressive Strength (psi)	

Cement Fluid Additives

Add	Type	Conc

Cement Stages: Cement Plug

Top (ftKB) 0.0	Bottom (ftKB) 60.0	Full Return? No	Cmnt Rtrn... No	Top Plug? No	Bottom Plug? No
Q (start) (bbl/min)	Q (end) (bbl/min)	Q (avg) (bbl/min)	P (final) (psi)	P (bump) (psi)	
Pipe Reciprocated? No	Stroke (ft)	Reciprocation Rate (spm)	Pipe Rotated? No	Pipe RPM (rpm)	
Depth Tagged (ftKB)	Tag Method	Plug Depth (ftKB)	Drill Out Diameter (in)	Drill Out Date	