



# Summary Report

Abandon  
Abandon Well - Permanent  
Job Start Date: 5/17/2011  
Job End Date:

Well Name Purdy 3X1	Lease Larson F.V.	Field Name Rangely	Business Unit Mid-Continent/Alaska	
Ground Elevation (ft) 5,317.50	Original RKB Elevation (ft) 5,332.00	Current RKB Elevation (ft) 5,332.00	Mud Line Elevation (ft)	Water Depth (ft)

Report Start Date: 5/17/2011

Comment

SAFETY MTG AND JSA REVIEW. MECHANICAL, PLANNING, TENET #8 AND STOP WORK AUTHORITY.  
 NOTIFY LAND OWNER, COGCC & BLM. PREP LOCATION, MOVE IN AESC RIG #6 AND EQUIPMENT.  
 RIG UP. NOTIFY AIRPORT OF RIG LOCATION. START AND CONFIRM NAVIGATION LIGHT OPERATION ON CROWN.  
 SPOT TANKS AND BUILD SPILL CONTAINMENT. LOAD 400 BBLs OF FRESH WATER AND SPOT PIPE WRANGLER. RIG UP PUMP AND LINES  
 CHECK SHUT IN WELL PRESSURE. SITP 80 PSI SICP 80 PSI. BLOW WELL DOWN TO DEFUSER TANK. LOAD TBG WITH 5 BBLs OF FRESH  
 WATER. SECURE LOCATION AND SDFN

Report Start Date: 5/18/2011

Comment

SAFETY MTG JSA REVIEW. TENET #8, MOTION, GRAVITY, MECHANICAL AND TRAINING.  
 SIWP 10 PSI. BLOW DOWN AND N/D WELL HEAD.  
 PU ON TBG HANGER TO CONFIRM HANGER IS FREE. N/U CLASS III BOPE.  
 MIRU PLS. RIH PULL PRONG FROM PLUG. POOH AND LD PRONG. RIH AND PULL PLUG IN R NIPPLE @ 5839'. POOH, RDMO PLS.  
 PU TBG SWIVEL AND RELEASE 7" LOC-SET PKR @ 5803'  
 PU AND FORWARD 250 BBLs OF CIRCULATE FRESH WATER TO DISPLACE PKR FLUID.  
 TOO H W/187 JTS OF 2-7/8" BARE J-55 TBG. LD 7" LOC-SET PKR, 1 JT OF 2-7/8" FGW TBG, XO & 2-3/8" R NIPPLE.  
 PU AND MU C/O BHA. 6-1/8" NEAR BIT STRING MILL & 3-1/2" IF X 2-7/8" EUE XO.  
 TIH W/BHA ON 2-7/8" TBG TO 5800' SPOT PIPE RACKS LOAD AND TALLY 20 JTS OF 2-7/8" WORK STRING. SECURE WELL AND SDFN.

Report Start Date: 5/19/2011

Comment

SAFETY MTG AND JSA REVIEW. GRAVITY, MOTION, STATE OF MIND & TENET #9  
 PU AND TIH WITH C/O BHA ON 2-7/8" WORK STRING. TAG FILL @ 5884'. (88' ABOVE TOP PERF.)  
 PU SWIVEL AND CLEAN OUT HARD SCALE F/5884' T/6280' AND CIRCULATE CLEAN.  
 LD SWIVEL AND TOO H TO 5958' SECURE WELL AND SDFN

Report Start Date: 5/20/2011

Comment

SAFETY MTG JSA REVIEW. STATE OF MIND, PRESSURE AND TENET #9.  
 SIWP 0 PSI. TIH F/5958' T/6280'.  
 TOO H AND LD 11 JTS OF 2-7/8" WORK STRING (TO SPACE OUT FOR CIRC) AND STAND BACK REMAINING 95 STANDS. LD 6-1/8" NBSM.  
 PU AND TIH W/7" CIRC AND SET @ 5920'  
 REVIEW JSA, MOVE IN AND RIG UP HALLIBURTON CEMENTERS  
 PRESSURE TEST LINES TO 3000 PSI. PUMP 35 BBLs OF FRESH WATER TO GET INJECTION RATE. MAX RATE 3.3 BBLs MIN MAX PRESSURE  
 2200 PSI.  
 MIX AND PUMP 28 BBLs OF 15.8 PPG CMT (137 SACKS) 1.15 YIELD, MIX WATER 4.97 GAL/SK W/2% CFR-3 & .1% HR-5 ADDITIVES @ 3 BBLs/MIN.  
 DISPLACE W/31.5 BBLs OF FRESH WATER IN 2 STAGES. SD PUMPS AND STING OUT OF CIRC. SPOT 2.5 BBLs OF 15.8 PPG CMT (12 SACKS) 63'  
 ON TOP OF CIRC.  
 LD BAILS AND LD 4 JTS OF 2-7/8" TBG.  
 REVERSE CIRCULATE W/230 BBLs OF FRESH WATER KW-132 PKR FLUID.  
 TOO H AND LD 89 JTS OF 2-7/8" TBG. TOO H AND STAND BACK REMAINING 49 STANDS.  
 MIRU PLS AND RIH W/4" PERFORATING GUN LOADED WITH 4 SHOTS, 0 DEGREE PHASE .40" ENTRY HOLE, 34" PENETRATION. CORELATE  
 DEPTH TO CBL DATED 1-28-1982. PERFORATE TOP SHOT @ 3015'. POOH RDMO PLS WIRE LINE.  
 TIH W/49 STANDS OF 2-7/8" OPEN ENDED TBG TO 3034'.  
 RU HAILBURTON PUMP 5 BBLs OF FRESH AHEAD. MIX AND PUMP 10 BBLs OF 15.8 PPG CLASS G CMT. DISPLACE WITH 15.3 BBLs OF FRESH  
 WATER TO SPOT BALANCED CMT PLUG.  
 TOO H W/6 STANDS OF TBG TO 2662' AND REVERSE WITH 35 BBLs OF FRESH WATER. NO CMT IN RETURNS. \*\*CALCULATED BALANCED PLUG  
 F/3034' TO 2780' \*\* ALL CMT MIXED WITH FRESH CITY WATER.

Report Start Date: 5/23/2011

Comment

SAFETY MTG JSA REVIEW. TENET#3, MOTION, MECHANICAL, STATE OF MIND AND PLANING.  
 TIH WITH 2-7/8" TBG AND TAG CMT TOP @ 2745'.  
 PUMP 105 BBLs OF FRESH WATER PKR FLUID W/KW-132 PKR FLUID.  
 TOO H AND LD REMAINING 98 JTS OF 2-7/8" TBG.  
 RIG UP PUMP LINE TO 9-5/8" X 7" SURFACE CSG ANNULAS AND ATTEMPT TO PUMP INTO ANNULAS. INFORM COGCC AND CHEVRON ENGINEER  
 OF SITUATION.  
 MIRU PLS WIRE LINE. TIH AND PERFORATE 7" CSG WITH TBG GUNS LOADED W/8 SHOTS .20" DIA HOLES F/58' T/60' (NOTE CSG COLLAR @ 61')  
 TOO H RDMO PLS  
 MIRU HALLIBURTON CEMENTING. ATTEMPT TO PUMP DOWN 7" CSG TO ESTABLISH CIRCULATION. UNABLE TO PUMP INTO ANNULUS,  
 PRESSURED UP IMMEDIATELY TO 600 PSI. PU 100' OF 1" TBG AND TIH. MIX AND PUMP 6 BBLs (29 SACKS) OF 15.8 PPG, 1.15 YIELD CLASS G  
 NEAT CMT @ 1 BBL/MIN AND MONITOR RETURNS OUT 7" CSG VALVE. PUMPED 1.5 BBLs OF EXCESS GOOD CMT TO SURFACE. TOTAL PLUG  
 VOLUME 4.5 BBLs.  
 RDMO HALLIBURTON. RD FLOOR AND TOOLS.



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Comment

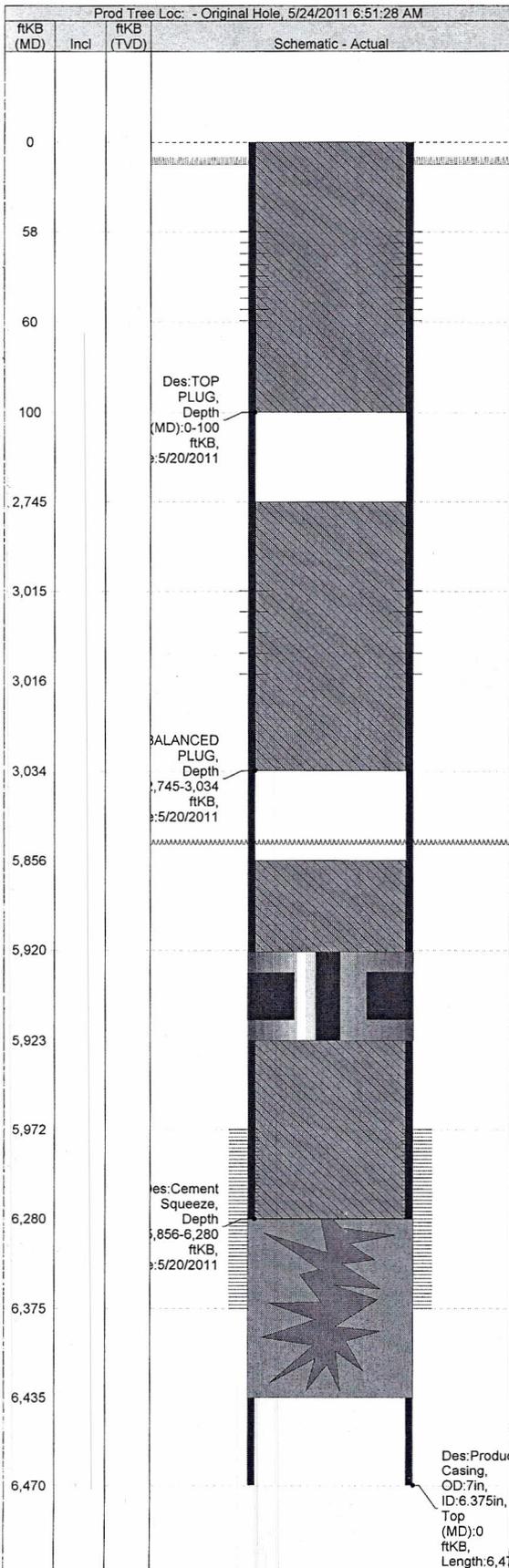
ND CLASS III BOPE. **\*\*NOTE CMT TOP @ CSG VALVE\*\***  
NU TOP FLANGE AND VALVE. UNABLE TO RIG DOWN. SHUT DOWN FOR LIGHTNING AND SDFN



# Casing, Liner and Cement report

Production Casing

Well Name <b>Purdy 3X1</b>	Lease <b>Larson F.V.</b>	Field Name <b>Rangely</b>	Business Unit <b>Mid-Continent/Alaska</b>	
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Date	Mud/Brine Type	Depth (MD) (ftKB)	Fluid Density (lb/gal)	Hidden (cp)	Hidden (lb/100ft <sup>2</sup> )
5/23/2011			8.33		

Casing Description	Run Date	String OD (in)	Top Depth (MD) (ft...)	Set Depth (MD) (ft...)	Dens Fluid (lb/gal)
Production Casing		7	0	6,470	

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	6,470.00	0	6,470

Cement: Cement Plug		
Cementing Start Date 5/23/2011	Cementing End Date 5/23/2011	Wellbore Original Hole
Evaluation Method Returns to Surface	Cement Evaluation Results CEMENTED TOP SURFACE PLUG W/100' OF 1" PIPE TO SURFACE	

Cement Stages: Cement Plug					
Top (ftKB)	Bottom (ftKB)	Full Return?	Cmnt Rtrn...	Top Plug?	Bottom Plug?
		No		No	No
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)	
No			No		
Depth Tagged (ftKB)	Tag Method	Plug Depth (ftKB)	Drill Out Diameter (in)	Drill Out Date	

Cement Fluids: <Description?>				
Fluid Type	Fluid Description	Quantity (...)	Class	Volume Pumped (bbl)
Estimated Top (ftKB)	Estimated Bottom (ftKB)	Yield (ft <sup>3</sup> /sack)	Fluid Mix Ratio (gal/sack)	Free Water (%)
Density (lb/gal)	Zero Gel Time (lb/100ft <sup>2</sup> )	Thickening Time (hrs)	1st Compressive Strength (psi)	

Cement Fluid Additives		
Add	Type	Conc