



## Daily Operations

Well Name: LIAM D34-12

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Well Name	API	Job Type	Start Date	Summary
LIAM D34-12	05-123-23726	PLUG AND ABANDON	2/8/2021	<p>RIG CREW TO A-PLUS YARD, START &amp; WARM EQ, PREP FOR MOB TO LOC.            RP SVCS CREW TO LOC, SITE ASSESSMENT, SIP ( T:1350, C:1350, S:2 )            SPOT IN BEGIN RU OF FLOWBACK EQ.            CREW &amp; EQ TO LOC, SITE ASSESSMENT, JSA, SM, SPOT IN, RU RIG, COMPLETE RU OF FLOWBACK IRON TIE INTO WELL.            SM W/ ALL CREWS, OPEN WELL TO FLOWBACK, BEGIN FLARING TBG, CSG VALVE FROZEN, PUT RIG HEATER ON WELLHEAD.            COMPLETE STATE FORM 17, NO SAMPLES COLLECTED, SFC CSG DN TO ZERO IN LESS THAN A MINUTE.            COMPLETE RU OF RIG's HARDLINES &amp; PUMP.            SD FLARING OPS TO SPOT IN RIG WORK TANK.            RE-OPEN WELL TO FLOWBACK, FLARE CSG &amp; TBG.            SAFETY WALK &amp; INSPECTION OF NEW PUMP TRUCK FOR THIS RIG, FOUND THE ACCUMULATOR BOTTLES WERE OUT OF COMPLIANCE, NO YEARLY INSPECTION ON RECORD.            SI WELL @ 900 / 900, CLEAR ALL LINES &amp; WELLHEAD OF ANY FLUIDS, SI &amp; SECURE WELL, RELEASE RP SVCS CREW.            WAIT ON NEW ACC.            NEW ACC ON LOC, TIE IN &amp; FUNCTION CHECK, ELECTRICAL CONTROL PANEL FAILED SHORTLY AFTER TESTING.            SDFD.            ** 3 HOURS NPT FOR ACC FAILURE</p>
LIAM D34-12	05-123-23726	PLUG AND ABANDON	2/9/2021	<p>ALL CREWS TO LOC, JSA, SM, SIP ( T:1100, C:1200, S:2 )            SM W/ HEAT WAVES, HEAT FRAC TANK TO 90*, RD.            RP SVCS COMPLETED DAILY INSPECTION &amp; TESTING OF LINES, OPEN WELL &amp; BEGIN FLARING.            RIG CREW START &amp; WARM EQ, DAILY INSPECTIONS, JSA. PREP PUMP &amp; LINES.            STUMP TEST, LOW / HIGH BLIND, PIPE RAMS &amp; HARD LINES, ALL GOOD TESTS.            WELL @ 100 / 100, REV-CIRC WELL W/ 145 bb FW, ALL GAS / OIL OOH, RD FLOWBACK CREW.            WELL STATIC, ND TREE, B/O 5k B SECTION ADAPTOR BOLTS, UNLAND TBG @ 29k#, HANGING @ 25k#, MU 5k MANDREL, LAND TBG.            NU BOPE, RU FLOOR &amp; 2-3/8" HANDLING EQ.            LOW / HIGH TEST FLANGE CONNECTION &amp; PIPE RAMS, GOOD TEST.            UNLAND &amp; B/O MANDREL, TALLY &amp; SB 72 JTS 2-3/8" J-55 4.7# EU TBG, LEAVE 140 JT KILL STRING SET @ 4620'.            WINTERIZE &amp; SECURE WELL AND EQ. TARP AND PREP HEATER FOR MORNING OPS.            SDFD.            ** 1 LOAD OIL / WATER TO NGL ( 60bb )</p>
LIAM D34-12	05-123-23726	PLUG AND ABANDON	2/10/2021	<p>CREW TO LOC, SM W/ A-PLUS MGMT.            COMPLETE DAILY INSP, START &amp; WARM EQ. SIP ( T:0, C:0, S:0 )            JSA, SM ON DAILY OPS,            REV-CIRC WELL SFC TO SFC @ 4620' W/ 60 bb FW, FULL RETURNS @ 32bb AWAY. SD, CLEAR ALL LINES W/ AIR.            TOO H W/ KILL STRING TO FLOAT, LD 140 JTS, SNNC. TOTAL OF 212 JTS 2-3/8" J-55 4.7# EUE TBG PULLED FOR P&amp;A. FLOATER NO-GO PLUNGER IN SN.            SM W/ A-PLUS WL, RU, MU 4-1/2" 10k CIBP, RI &amp; SET @ 7009', PLUG GOT STUCK WHILE ATTEMPTING TO TIE INTO TO CBL FROM 4-25-2006, SET PLUG 25' ABOVE COD PERFS, OOH W/ SETTING TOOL.            LOAD WELL W/ 6bb FW, SI &amp; TEST PLUG TO 590 psi / 15 MIN, GOOD TEST, NO LOSS.            RI &amp; DB 2sx CMT ON CIBP, OOH W/ BAILER.            MU 4-1/2" 10k CIBP, RI &amp; SET @ 6655',CORRELATED TO CBL RUN 4-25-2006, OOH W/ SETTING TOOL. RI &amp; DB 2sx CMT ON CIBP, OOH W/ BAILER.            WINTERIZE STACK, LINES &amp; PUMP. TARP &amp; PREP HEATER FOR FOLLOWING DAY.            SDFD.            ** CIBP's CORRELATED TO CBL RUN 4/25/2006</p>



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LIAM D34-12	05-123-23726	PLUG AND ABANDON	2/11/2021	<p>RIG CREW &amp; WL TO LOC, JSA, SM, SIP ( C:0, S:0 )            START &amp; WARM EQ, PREP PUMP &amp; LINES, RE-HEAD WL.            SM W/ A-PLUS WL, RU, RIH W/ CMT CBL, LOG FROM 2550' TO SFC, OOH W/ LOG, SEND IN FOR REVIEW.            MU 4-1/2" 10k CIBP, RI &amp; SET @ 4091', OOH W/ SETTING TOOL. RI &amp; DB 2sx CMT ON PLUG, OOH W/ BAILER.            APPROVED BY STEVE JENKINS @ COGCC TO MOVE COURTESY SQZ UP BASED ON LOGS.            MU 1' - 6 spf SQZ GUN, RI &amp; PERF PROD CSG @ 1950', OOH W/ SPENT GUN.            SI &amp; TEST INJ RATE, 2 bpm @ 300 psi, SD.            MU 1' - 6 spf SQZ GUN, RI &amp; PERF PROD CSG @ 1780', OOH W/ SPENT GUN. RD WL.            MU 4-1/2" MECH CICR, TIH W/ 56 JTS 2-3/8" J-55 4.7# TBG, SET CICR @ 1855'.            PUMP COURTESY SQZ, 10 bb FW, FULL RETURNS, 5 bb CHEMWASH, 5 bb FW. MIX &amp; PUMP 14 bb CMT @ 15.8# ( 70sx G NEAT, 1.15 YIELD, 5.0 ga/sx ), 5 bb FW DISP, STING OUT, PUMP 1 bb FW TO BALANCE 2 bb CMT LEFT ON CICR.            POOH W/ 20 JTS TBG TO FLOAT, REV-CIRC WELL @ 1190' W/ 12 bb FW, NO CMT TO SFC.            TOOH W/ BALANCE OF TBG &amp; STINGER TO FLOAT.            WINTERIZE &amp; SECURE WELL. TARP &amp; WINTERIZE EQ.            SDFD.            CMT MW, 7.0 ph, &lt;200 CHLORIDES            ** CIBP CORRELATED TO CBL RUN 4/25/2006</p>
LIAM D34-12	05-123-23726	PLUG AND ABANDON	2/12/2021	<p>CREW TO LOC, JSA, SM, SIP ( C:0, S:0 )            ATTEMPT TO START &amp; WARM EQ.            SUB-ZERO TEMPS ON LOC, MOST EQ FAILING TO START.            TOOK UNTIL NOON TO WARM EQ &amp; GET ALL STARTED.            LET EQ RUN FOR 1.5 HOURS.            SD &amp; SECURE LOC, TARP ALL EQ FOR LONG WEEKEND AND COLD TEMPS.</p>
LIAM D34-12	05-123-23726	PLUG AND ABANDON	2/16/2021	<p>CREW TO LOC, JSA, SM, SIP ( C:0, S:0 ) WELL STATIC.            COLD WEATHER START, WARM &amp; START ALL EQ.            RIG UP HARD LINES &amp; TEST, CHECK FOR ICE PLUGS.            HEAT WAVES ON LOC, SPIN FRAC TANK TO 95*.            ALL EQ RUNNING, HARD LINES TESTED &amp; ICE CLEARED. LOAD WELL W/ 2 bb FW.            SM W/ A-PLUS WIRELINE, RU, MU 4-1/2" JET CUTTER, RI &amp; CUT PROD CSG @ 1013', OOH W/ SPENT CUTTER, RD WL.            SI &amp; CIRC THROUGH CUT W/ 80 bb FW, FULL RETURNS @ 2 bpm @ 300 psi, MUDDY WATER RETURNS FOR LAST 35 bb. SD,            WELL STATIC.            RD FLOOR, ND BOPE, B/O 4-1/2" WELL HEAD &amp; BRADENHEAD PACKING. WELL STATIC, FLUID AT SFC, NO FLOW.            MU 4-1/2" SUB, UNLAND PROD CSG @ 20k#, MOVING @ 12k#, B/O SUB, NU BOPE, RU FLOOR &amp; 4-1/2" HANDLING EQ.            SM CMT OPS, PUMP SHOE PLUG, 5 bb FW, FULL RETURNS, MIX @ PUMP 30 bb CMT @ 15.8# ( 150 sx NEAT G, 25# POLY FLAKE            ADDED ON THE FLY, 5.0 ga/sx, 1.15 YIELD ) 9.5 bb FW DISP, PLUG BALANCED.            POOH W/ 24 JTS 4-1/2" 11.6# M-80 CSG TO FLOAT ( 23 FULL JTS, 1 - 30' CUT JT ).            WINTERIZE ALL EQ &amp; WELL, SECURE &amp; TARP.            SDFD.            ** CM MW, 7.0 ph, &lt;200 CHLORIDES.            ** 80 bb MUD / WATER TO REPUBLIC            ** 1.5 HOURS NPT CLEARING ICE PLUGS FROM PUMP &amp; RIG HOSES.            ** 4.5 HOURS TO GET ALL EQ WARMED &amp; STARTED.</p>



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LIAM D34-12	05-123-23726	PLUG AND ABANDON	2/17/2021	CREW TO LOC, JSA, SM, SIP ( S:0 ) WELL STATIC. WARM & START EQ, PREP PUMP & LINES. TIH W/ 2-3/8" 4.7# EUE J-55 TBG, TAG SHOE PLUG CMT @ 585' W/ 18 JTS, LD JT 18, PU 2 - 10' SUBS. TBG @ 585'. LOAD WELL W/ 6 bb FW, MONITOR, WELL STATIC, NO FLOW. SM CMT OPS, PUMP SFC CMT PLUG, 5 bb FW, FULL RETURNS, MIX & PUMP 40 bb CMT @ 15.8# ( 198 sx NEAT G, 5.0 ga/sx, 1.15 YIELD ) 2 bb CMT TO SFC. POOH W/ TBG TO FLOAT, RD FLOOR, ND BOPE, CLEAN ALL EQ. RDMO TO ADAM RED D26-14. CMT MW, 7.0 ph, <200 CHLORIDES ** 1 LOAD WATER TO NGL ( 130 bb ) ** 1 LOAD MUD / CMT WATER TO REPUBLIC ( 35 bb ) ** 212 JTS 2-3/8" J-55 8rd EUE TBG DONATED TO GUTTERSEN RANCH ** 24 JTS 4-1/2" M-80 8rd PROD CSG DONATED TO GUTTERSEN RANCH
LIAM D34-12	05-123-23726	PLUG AND ABANDON	2/19/2021	VERIFY NO PRESSURE AT SFC. REMOVE NIGHT CAP, TAG CMT 17' FROM SFC ( 27' kb ), WELL STATIC. MU NIGHT CAP & SECURE WELL
LIAM D34-12	05-123-23726	PLUG AND ABANDON	3/11/2021	LIAM D34-12 WELL HEAD CUT & CAP Production Casing Tag: N/A Surface Casing Tag: 12' 0 sacks cement added to production casing 2 sacks cement added to surface casing Cut depth: 6' below grade Bradenhead Pressure: 0 PSI Production Casing Pressure: N/A