


<div><div><div><div></div><div>noble</div><div>energy</div></div></div><div>Daily Operations</div></div>				
Well Name: ROTHE 02-10				
Daily Operations				
Well Name	API	Job Type	Start Date	Summary
ROTHE 02-10	05-123-17623	PLUG AND ABANDON	1/23/2020	PJSM CHECK WELL LOCATION SPOT RIG IN AND RIG UP AND PREP FOR TESTING IN AM
ROTHE 02-10	05-123-17623	PLUG AND ABANDON	1/24/2020	PJSM, CHECK WELL AND PRESSURES, OHMS AND RU LINES MAKE UP AND PREP FOR TEST, TEST BOP BLIND RAMS AND SURFACE LINES, TEST PIPE RAMS AND TIW KILL WELL AND TEAR DOWN TREE AND NIPPLE UP BOP, TEST PIPE RAMS, TIW AND FLANGE, BEGIN TO LAY DOWN TUBING LAY DOWN 210 JOINTS OF TUBING SECURE WELL AND LOCATION SDFW
ROTHE 02-10	05-123-17623	PLUG AND ABANDON	1/27/2020	PJSM, CHECK WELL AND PRESSURES, OHMS R/U AND PREP FOR WIRELINE RUN WITH PATRIOT CIBP 10K 3.5" LEGACY PLUG SET @ 6480' NO ISSUES TAGGED UP AND PLUG IS IN PLACE POOH FILL HOLE AND TEST CIBP TO 500# NOT A GOOD TEST LOOKS LIKE HOLE IN CASING, CALL OUT HYDROTESTERS, AND GET A PACKER OUT STRAP TUBING, JSA R/U AND RUN PACKER TO 3000' TESTING EACH ROW, SECURE AND SHUT DOWN FOR THE NIGHT DUE TO DAYLIGHT CONSTRAINTS WILL RESUME IN AM
ROTHE 02-10	05-123-17623	PLUG AND ABANDON	1/27/2020	PJSM CHECK OHMS AND WELL RIH WITH 3.5" 10K CIBP SET @ 6480' TAGGED PLUG POOH RDMO
ROTHE 02-10	05-123-17623	PLUG AND ABANDON	1/28/2020	PJSM, CHECK WELL AND PRESSURES, OHMS CONTINUE RIH WITH PACKER, TESTING EVERY ROW GOOD ABOVE 3000', 4250', 5180' TEST BETWEEN 5180' AND 5320' FAILED RIH T/ 6060' TEST FAILED BOTH SIDES, RIH T/ 6416' TEST GOOD AGAINST PLUG. RD HYDRO TESTER LAY DOWN TUBING DURING HYDRO TESTING FOUND THREE BAD JOINTS OF TUBING.
ROTHE 02-10	05-123-17623	PLUG AND ABANDON	1/29/2020	10:30 JSEA, 10:15 MIRU CHECK PRESSURE BLOW DOWN, MU BAILER W/2 SKS CMT RIH T/ 6480' CIBP #1 DUMP 2 SKS CMT, P.O.O.H, MU LEGACEY 3.5" 10K CIBP #2, RIH T/6325' CORRELATE COLLAR @ 5662'-5696' SET CIBP @ 5700' TAG, P.O.O.H, MU LEGACEY 3.5" 83g JET CUTTER, RIH T/2557' CORRELATE COLLAR 2530'-2494' SET CUT DEPTH PRESSURE UP 200 PSI JET CUT 4.5" 11.6# CSG @ 2500' LOST 200 PSI, P.O.O.H, PUMP THROUGH CUT W/ 3 BBLS @ 700-800 PSI, SECURED WELL & PANEL'S, RDMO
ROTHE 02-10	05-123-17623	PLUG AND ABANDON	1/30/2020	MIRU CMT, CHECK PRESSURE 40 ON CASING 10 ON SURFACE, TEST WATER, PH 7, CL BELOW 300 PPM, TEST LINES 2500 PSI, PUMP 3 BBLS FW, 185 SKS (37.89 BBLS) @ 15.8# 1.15 FT3/SK, 5.00 GAL/SK, VERIFIED WITH SCALES, FROM 2500'-2000', DISPLACE 18.1 BBLS FW, RETURNS THROUGHOUT JOB,MUD AND GAS RETURNS. OBSERVED BUBBLES COMING UP AROUND SURFACE CASING WHILE PUMPING FW AHEAD, DUG OUT BELOW CASING HEAD, FLUID WAS COMING UP BELOW THE CASING HEAD. FLOWED WELL BACK FOR 5 MINUTES AFTER JOB. SECURE WH, RDMO.
ROTHE 02-10	05-123-17623	PLUG AND ABANDON	2/6/2020	PRESSURE CHECK
ROTHE 02-10	05-123-17623	PLUG AND ABANDON	2/6/2020	CHECKED PRESSURES - INITIAL SURFACE CASING READING OF 30PSI. PRODUCTION CASING OPENED UP ON A VACUUM. WELL BLEW DOWN TO 0 PSI AFTER 25 SECONDS WITH A 1/2" BALL VALVE AND DID NOT PRESSURE BACK UP AFTER 10 MINUTES
Page 1/2				
Report Printed: 12/27/2020				

<div>  <div>Daily Operations</div> </div>				
Well Name: ROTHE 02-10				
Daily Operations				
Well Name	API	Job Type	Start Date	Summary
ROTHE 02-10	05-123-17623	PLUG AND ABANDON	2/7/2020	CREW MOVE RIG FROM THE OSTER 3-16I4, WEATHER SNOWING. SAFETY MEETING, TOPIC (STOP WORK AUTHORITY, RIGGING UP RIG). REPLACE SRL LINE, WHILE RIGGING UP, NEW SRL LINE WOULD NOT RETRACTED, PUT OLD SRL LINE BACK ON. MIRU BRIGADE 15 FACING EAST, WORK TANK SOUTHWEST, PUMP SOUTHEAST.GAUGE WELL, PCSG 0PSI, SCSG 10PSI. LAY DOWN FLOW LINES. PRESSURE TEST FLOW LINES TO 267PSI FOR 5MIN, TEST HELD, PRESSURE TEST TO 2113PSI FOR 5MIN, TEST HELD. CONNECTED FLOW LINE TO PCSG. SAFETY MEETING ON RUNNING WL. MIRU PATRIOT WL, INSTALLED 4-1/16" 5K FLANGE W/ LUBRICATOR TO FRAC VALVE, PU 2.625" 45GRAMS LEGACY JET CUTTER W/ WEIGHT BAR AND PACK-OFF, RIH TO 1060.0', LOG UP TO LOCATE COLLARS, COLLARS @982.0' AND 1022.00'. SET CCL @1008.0', PRESSURE UP TO 200PSI ON PCSG W/ RIG PUMP, JET CUT @ 1010.0', LOST ALL 200PSI. POOH, LD TOOLS, RDMO PATRIOT WL. DISPLACE FLUID IN WELLBORE BELOW GROUND LEVEL. BLOW AIR THROUGH FLOW LINES, WINTERIZE FRAC VALVE ON WH AND PUMP, TARP WH, CLOSE FRAC VALVE AND LOCK, CLOSE AND LOCK ALL VALVES. SDFN
ROTHE 02-10	05-123-17623	PLUG AND ABANDON	2/8/2020	CREW TRAVEL TO LOCATION, DELAYED START DUE TO WEATHER. SAFETY MEETING, (TOPIC- JOB OPERATIONS, UN-LAND PCSG). GAUGE WELL, SI PCSG 1PSI, SI SCSG 15PSI.FUNCTION TEST PIPE AND BLIND RAMS CLOSE/OPEN. INSTALL 3.5" PIPE RAMS INTO BOP's, STUMP TEST 3.5" PIPE RAMS TO 321PSI FOR 5MIN, TEST HELD, PRESSURE TEST TO 2087PSI FOR 5MIN, TEST HELD. STUMP TEST BLIND RAMS TO 269PSI FOR 5MIN, TEST HELD, PRESSURE TEST TO 2174PSI FOR 5MIN, TEST HELD. ND FRAC VALVE AND TBG WH, INSTALL 3.5" TIW VALVE ONTO PCSG. UN-SCREW AND UN-PACK SCSG WH. UN-LAND PCSG W/ CASING SPEAR @25K, WEIGHT DROPPED TO 8K. STRIP OVER 11" 3K DRILL FLANGE AND 7-1/16" 5K BY 11" 3K P&A SPOOL, LAND PCSG INTO SPOOL. NU 7-1/16" 5K BOPS AND 7-1/16" 5K BY 7-1/16" 5K SPACER SPOOL ONTO P&A SPOOL. CIRC. WELLBORE W/ 60BBLS OF FRESH DOWN PCSG AND UP SCSG, RETURN OF GAS AND 9PPG OF MUD, CONT. TO CIRC 60BBLS OF 9PPG OF MUD, RETURNS OF 8.5PPG MUD AND NO GAS. TOOH LD 23JTS AND A CUT JOINT OF 3.5" 7.7# PCSG ONTO TRAILER. CHANGE OUT TBG EQUIP. TO 2.375". PRESSURE TEST 2.375" PIPE RAMS ON STACK TO 289PSI FOR 5MIN, TEST HELD, PRESSURE TEST TO 2034PSI FOR 5MIN, TEST HELD. TIH 32JTS OF 2.375" J55 4.7# TBG TO 1010.0', WAIT ON CMT. PUH TO 315.0' WITH 22JTS OF 2.375" J55 4.7# EUE TBG, 10JTS IN WELLBORE. CANCELED CMT BY NBL AND PETROSTAR DUE TO GETTING CLOSE TO DARK. SWI, BLOW AIR THROUGH FLOWLINES, CLOSE AND LOCK PIPE RAMS, WINTERIZE PUMP AND BOPS. CLOSE AND LOCK ALL VALVES. SDFN
ROTHE 02-10	05-123-17623	PLUG AND ABANDON	2/10/2020	CREW TRAVEL TO LOCATION. SAFETY MEETING TOPIC-(LIFE SAVING RULES, OUT OF ZONE, STOP WORK). GAUGE WELL, SI TBG 0PSI, SI SCSG -1PSI. EOT @315.0', TIH 22JTS OF 2.375" J55 4.7# EUE TBG TO 1010.0' W/32JTS TOTAL IN WELLBORE. WAIT ON SPN CMT FOR 2HRS. JSA MEETING ON SPOTTING CMT EQUIPMENT. MIRU SPN CMT.FRESH IN FRAC TANK PH TEST @7, CC TEST @1. PSI TEST LINES TO 1500PSI, CAL LIFT 932PSI, SAFETY TRIP (POP-OFF) SET @750PSI. JOB @ 1.5BPM, @50PSI, BREAK CIRC FRESH WTR. MIX AND PUMP 120SXS OF 1.15YLD CLASS G W/ 2%CC @15.8PPG= 24.5BBLS OF CMT, MIX WTR 5G/S. EST TOC @697.0'. RDMO SPN CMT. PUH SB 10JTS OF 2.375" J55 4.7# EUE TBG INTO THE DERRICK. EOT @697.0', REVERSE CIRC 10BBLS. TOOH SB 14 MORE JOINTS OF 2.375" J55 4.7# EUE TBG INTO THE DERRICK, LD 8JTS OF 2.375" J55 4.7# EUE TBG ONTO TRAILER. BLOW AIR THROUGH FLOWLINES, CLOSE AND LOCK BLIND RAMS, WINTERIZE PUMP AND BOPS, CLOSE AND LOCK ALL VALVES. SDFN
ROTHE 02-10	05-123-17623	PLUG AND ABANDON	2/11/2020	SAFETY MEETING AT THE BRIGADE YARD. CREW TRAVEL TO LOCATION. SAFETY MEETING TOPIC-(EMERGENCY ACTION PLAN). GAUGE WELL, SI SCSG -1PSI. OPENED WELLBORE, WENT ON SLIGHT VACUUM. LOADED WELL, MONITORED FOR BUBBLES (NO BUBBLES). SHUT IN TEST FOR 30MIN (NO PSI BUILD UP). TIH 23JTS OF 2.375" J55 4.7# EUE TBG TAG TOC @728.0'. CONTACT NOBLE. CONTACTED SPN CMT TO HELD TO LOCATION WITH CLASS G CMT, 1HR AND 45MIN TO ARRIVE TO LOCATION FROM BEING ON STANDBY. JSA MEETING ON SPOTTING EQUIP. AND CMT OPERATIONS. MIRU SPN CMT. PSI TEST LINES TO 1500PSI, CAL LIFT 656PSI, SAFETY TRIP (POP-OFF) SET @500PSI. JOB @ 2.0BPM, @100PSI, BREAK CIRC, PUMP 10BBLS OF MUD FLUSH, 5BBLS OF FRESH SPACER, MIX AND PUMP 277SXS OF 1.15YLD CLASS G W/ 2%CC @15.8PPG= 56.7BBLS OF CMT, MIX WTR 5G/S TO SURFACE. PH TEST @6, CC TEST BELOW 1. TOOH, LD 23JTS OF 2.375" J55 4.7# EUE TBG ONTO TRAILER. RD RIG FLOOR AND TBG EQUIP. ND BOPS. TOP-OFF WELLBORE W/12SXS 2.5BBLS OF GLASS G W/2%CC, 1.15YLD, 15.8PPG TO SURFACE. RDMO SPN CMT. INSTALL NIGHT CAP WITH VALVE, TAPPED BULL PLUG, NEEDLE VALVE AND PLUG IN NEEDLE VALVE TO SCSG WH. RIG DOWN BRIGADE 15. DRAIN FLOWLINES WITH AIR, WINTERIZE PUMP, CLOSE AND LOCK ALL VALVES
ROTHE 02-10	05-123-17623	PLUG AND ABANDON	7/9/2020	"Removed flow line from well to flow line crossings of new wells on East side of field and at separator. Well Cut and capped at 5'6" Cement was at surface "
Page 2/2				Report Printed: 12/27/2020