

## Daily Operations

Well Name	Surface UWI	Primary Job Typ	Start Date	Summary
TIMMERMAN 44-18	0512319066	HORIZONTAL WELL PREP	6/28/2019	CREW TRAVEL RIG TO LOCATION AND SPOT EQUIPMENT WITH WINCH TRUCKS, REV JSA'S, REV DAILY RIG CHECKLIST, SPOT RIG OVER BEAM AND RIG UP RIG, GUY OUT LINES, REPAIR BOP PEDASTAL, MOVE IN TUBING TRAILER AND DRILL COLLAR TRAILER, PERFORM ACC DRAW DOWN TEST, RIG UP PUMP AND LINES, SECURE WELL AND LOCATION
TIMMERMAN 44-18	0512319066	HORIZONTAL WELL PREP	7/1/2019	CREW TRAVEL TO LOCATION REV JSA, REV DAILY RIG CHECK LIST, MOVE IN AND SPOT WORK TANK, HOOK UP LINES, REMOVE WELL HEAD AND INSTALL NEW Q-92 HEAD FOR TEST PLUG, NIPPLE UP BOPE AND TIGHTEN SAME, PERFORM ACC DRAW DOWN TEST, RIG UP WORK FLOOR, INSTAL TEST PLUG AND TEST JOINT TEST BAG,PIPE RAMS, BLIND RAMS, ALL SURFACE LINES, TIW, 2000 HIGH 250 LOW 5 MIN EACH TEST,RIG DOWN TEST JOINT,RIG UP POWER SWIVEL, MAKE UP 7 7/8 BIT AND DRILL COLLAR TAG SURFACE PLUG @ 11' BEGIN TO DRILL CMT DRILLED T/15' SECURE WELL AND LOCATION SDFN
TIMMERMAN 44-18	0512319066	HORIZONTAL WELL PREP	7/2/2019	CREW TRAVEL TO LOCATION REV JSA, REV DAILY RIG CHECK LIST, START TO CLEAN OUT CMT AND PLUG FELL 20' CHACE PLUG DOWN WITH SWIVEL AND WASH DOWN T/286' HARD CEMENT, ATTEMPT TO TEST CSG T/350 PSI AND DROPPED 150 PSI IN 1.5 MIN, TOOHD AND DOWN BIT, MAKE UP 8 5/8 PACKER AND TIH AND SET PACKER @ 262' TEST T/385 PSI AND DROPPED 150 PSI IN 2 MIN, RELEASE PACKER AND LAY DOWN SAME, LOAD WELL AND MOVE TRAILERS OUT OF WAY FOR 5.5 CSG, SECURE WELL AND SHUT DOWN
TIMMERMAN 44-18	0512319066	HORIZONTAL WELL PREP	7/3/2019	CREW TRAVEL TO LOCATION REV JSA, REV DAILY RIG CHECKLIST, RIG UP CSG TONGS, PICK UP 7 JNTS OF 5.5 17# CSG SHOE @ 259' MIRU BISON CEMENT CREW AND BREAK CIRC WITH BISON, PUMP 2 BBLS RED DIE FOLLOWED BY 125 SX'S G NEAT 15.8PPG, YEILD 1.15 CMT DISP 3.6 BBLS LEAVING 100' CMT INSIDE CSG ETOC @ 159' SHUT IN WITH CMT HEAD AND RIG DOWN BISON CMT CREW, CHANGE OVER TO TBG EQUIPMENT AND STRAP BHA, WOC UNTIL MONDAY SDFN
TIMMERMAN 44-18	0512319066	HORIZONTAL WELL PREP	7/8/2019	CREW TRAVEL TO LOCATION, REV JSA, REV DAILY RIG CHECKLIST, CHECK WELL PSI, BLEED OFF CSG, AND TEST INSIDE AND BACKSIDE OF CSG T/350 PSI ( GOOD TEST) MAKE UP 5.5 CSG CUTTER ON A 3.5 PONY COLLAR ON SWIVEL AND CUT CSG 11' FROM TOP OF CSG 1' BELOW 8 5/8 CSG HEAD, LAY DOWN CUTTER AND SWIVEL, PICK UP 3 1/8 MUD MOTOR WITH 4 5/8 BIT PICK UP 2 3.5 DRILL COLLARS AND TAG CMT @ 145' PICK UP SWIVEL AND EST CIRC AND SURFACE PSI, BEGIN TO DRILL OUT CMT WITH 3 BBLS MIN 256 RPM AT BIT DIFFURENTAL @ 200 PSI, DRILL F/145 - T/435' CIRC WELL CLEAN DUE TO LIGHTING CLOSE TO RIG AND SECURE WELL DUE TO INCLAMENT WHEATHER, SDFN

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TIMMERMAN 44-18	0512319066	HORIZONTAL WELL PREP	7/9/2019	CREW TRAVEL TO LOCATION, REV JSA, REV DAILY RIG CHECKLIST, CHECK WELL PSI ( 0 ) OPEN WELL AND TAG BOTTOM AND BEGIN TO CLEAN OUT CMT F/435' T/556' SPOTED LUBRICANT AND CLAY STABILIZER PILL, 3 BBLS, ON BOTTOM, ROP @ 75' HR, RPM @ BIT 287 WITH MUD MOTOR @ 1.34 GAL/REV, STAND PIPE PSI @ 850 60 PSI DIFFRENTUAL, PUMP SWEEP TO CLEAN WELL BORE EVERY 100' , WASHED VALVE AT MUD PUMP STOPPED TO REPLACE AND WORK PIPE, LOST MAIN AIR HOSE TO RIG, TOOH TO SHOE AND DOWN SWIVEL, LOAD WELL, SECURE WELL AND LOCATION SDFN
TIMMERMAN 44-18	0512319066	HORIZONTAL WELL PREP	7/10/2019	CREW TRAVEL TO LOCATION, REV JSA, REV DAILY RIG CHECK LIST, CHECK WELL PSI ( 0 ) TOOH AND CHANGE BIT AND MOTOR ( MOTOR BAD) MAKE UP NEW MOTOR AND BLADE BIT AND TIH TAG BTM @ 556' PUMP SOAP SWEEP AND BEGIN TO CLEAN OUT WELL F/556/ T/1287'PUMPING @ 3.75 BBLS MIN, STAND PIPE PSI @ 850 ON BOTTOM 680 OFF BOTTOM, 800 TRQ, 298 RPM @ BIT, AVG ROP @ 110' HR, CIRC BTU PUMP SWEEP, DOWN SWIVEL, TOOH F/1287 T/259' LEAVING BHA IN HOLE, SECURE WELL AND LOCATION SDFN
TIMMERMAN 44-18	0512319066	HORIZONTAL WELL PREP	7/11/2019	CREW TRAVEL TO LOCATION REV JSA, REV DAILY RIG CHECK LIST, CHECK WELL PSI ( 0 ) OPEN WELL TIH AND TAG BTM @ 1285, BREAK CIRC AND PUMP SOAP SWEEP, BEGIN TO CLEAN OUT WELL BORE F/1285 T/ 1576' STAND PIPE PSI @ 900, GPM @ 3.5, AVG ROP @ 87' HR, RPM @ BIT = 287, LOST ROP AT END OF DAY ALOT OF CLAY AND SHALE IN RETURNS, CIRC BTU, DOWN SWIVEL AND TOOH F/1576' T/259' LEAVING BHA IN SHOE, SECURE WELL AND LOCATION
TIMMERMAN 44-18	0512319066	HORIZONTAL WELL PREP	7/12/2019	CREW TRAVEL TO LOCATION, REV JSA, REV DAILY RIG CHECK LIST, WELL PSI ( 0 ) TIH AND TAG BTM @ 1576' PICK UP SWIVEL AND CONT TO CLEAN OUT WELL BORE T/1706' CIRC BTU DOWN SWIVEL AND TOOH TO SURFACE AND STAND BACK BHA, LAY DOWN MUD MOTOR, LOAD WELL AND SECURE SAME, SDFN
TIMMERMAN 44-18	0512319066	HORIZONTAL WELL PREP	7/15/2019	CREW TRAVEL TO LOCATION REV JSA, REV DAILY RIG CHECK LIST, CHECK WELL PSI ( 0 ) OPEN WELL AND MAKE UP BHA WITH 4 5/8 BLADE BIT, TIH T/1706' BREAK CIRC, TOOH AND LAY DOWN 2 DRILL COLLORS AND LOAD OUT POWER SWIVEL, MAKE UP MULE SHOE AND TIH WITH TBG EOT @ 1696' BREAK CIRC, MOVE IN RIG UP RANGER CMT CREW, TEST LINES T/2500/350 PSI TO LIFT TBG @ 70% = 310 PSI PUMP 60 SX'S G NEAT 15.8PPG YEILD 1.15 CMT DISP 6.3 BBLS FOR BALANCED PLUG, REMOVE CMT HEAD AND LAY DOWN TBG TO TRAILER, EOT @ 911' PUMP 2 BBLS RED DIE, FOLLOWED BY 60 SX'S G NEAT 15.8PPG 1.15 YEILD WITH 3 % CACL2 DISP W/2.3 BBLS FOR BALANCED PLUG, RIG DOWN CMT HEAD AND WASH UP TO TANK, LAY DOWN TBG T/400' AND REV CIRC EXCESS CMT OUT WITH .5 CMT TO SURFACE, WATCH CMT SAMPLE FOR 1 HR AND TAG PLUG @ 400' RIG UP CMT HEAD AND PUMP 2 BBLS RED DIE FOLLOWED BY 58 SX'S G NEAT 15.8PPG CMT 1.15 YEILD, TOOH AND LAY DOWN TBG TOP OFF WELL WITH 10 SX'S CMT , RIG DOWN CMT CREW AND MOVE, OUT , RIG DOWN WORK FLOOR AND NIPPLE DOWN 9" BOPE, INSTALL CAP AND SECURE WELL

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TIMMERMAN 44-18	0512319066	HORIZONTAL WELL PREP	7/16/2019	CREW TRAVEL TO LOCATION REV JSA, REV DAILY RIG CHECK LIST, CHECK CMT TOP @ 12' FROM SURFACE, RIG DOWN RIG AND OFF JACKS, RACK OUT PUMP AND LINES, SECURE EVERYTHING TO BASE BEAM, CLEAN OUT WORK TANK WITH HYDRO VAC, PICK UP ALL TRASH AROUND LOCATION, TRAVEL OUT MISC EQUIPMENT BACK TO BOHLER YARD, SDFN