



Daily Operations

Well Name: SPIKE STATE D36-05

Daily Operations

| Well Name | API | Job Type | Start Date | Summary |
|--------------------|--------------|------------------|------------|---|
| SPIKE STATE D36-05 | 05-123-16130 | PLUG AND ABANDON | 7/17/2019 | CREW TRAVEL RIG FROM TIMMERMAN 44-18 TO SPIKE STATE D36-05, RIG BROKE DOWN ON SIDE OF ROAD 2 HRS TO FIX, TRAVEL INTO LOCATION AND SPOT EQUIPMENT WITH WINCH TRUCK, SPOT BASE BEAM AND LEVEL RIG OVER WELL, CHECK WELL PSI BH = 0 TBG = 78 CSG = 1150, RIG UP PUMP AND LINES, PERFORM DRAW DOWN TEST ON ACCUMULATOR, FUNCTION TEST BOPE, CONFIRM CORRECT PIPE RAMS, TEST SURFACE LINES T/2000 PSI WITH RIG PUMP, SECURE WELL AND LOCATION SDFN |
| SPIKE STATE D36-05 | 05-123-16130 | PLUG AND ABANDON | 7/18/2019 | CREW TRAVEL TO LOCATION REV JSA, REV DAILY RIG CHECK LIST, BLOW DOWN TBG TO WORK TANK, CATCH PLUNGER, PUMP DOWN BACKSIDE AND BULL HEAD CSG 35 BBL'S INTO CODEL FORMATION, OPEN TBG AND CATCH CIRC AND CIRC WELL CLEAN OF OIL AND GAS, RIG DOWN PROD TREE, MAKE UP WEE HEAD AND MUD CROSS AND NIPPLE UP 7 1/16 BOPE, TIGHTEN ALL BOLTS AND FUNCTION TEST BOPE, RIG UP WORK FLOOR AND TBG EQUIPMENT, UNLAND TBG, 14K STRING WHT, LAY DOWN 1 1/4 TBG TO TRAILER 212 JOINTS, SEND TO NOBLE PIPE YARD, MIRU C&J WIRE LINE AND HELD SAFTEY MEETING, RIH WITH 2.16 CIBP AND SET @ 6855' POOH AND DUMP BAIL 2 SX'S CMT ONTOP OF CIBP, POOH AND PSI TEST CIBP T/500 PSI (GOOD TEST) RIH WITH CIBP #2 SET @ 6613' POOH AND DUMP BAIL 2 SX'S CMT, POOH AND RIG DOWN WIRE LINE TRUCK TEST CIBP #2 T/500 PSI (GOOD TEST) CLEAN UP LOCATION AND SECURE WELL SDFN |
| SPIKE STATE D36-05 | 05-123-16130 | PLUG AND ABANDON | 7/19/2019 | CREW TO LOC, SM, RIG INSP, SIP (C:30, S:0) BD CSG TO TANK, LITTLE FLUID, NO GAS. ENSIGN WELL SERVICE ON LOC, REPAIR BROKEN HOSE ON ACC TRAILER, FUNCTION CHECK POST REPAIR, GOOD. SM W/ C & J WIRELINE, RU, RIH W/ 1' - 6 spf SQZ GUN, PERF PROD CSG @ 4585', OOH W/ SPENT GUN. SI & TEST INJ RATE THRU PERFS, 1 bpm @ 1k psi, RELEASE PRESSURE, FLOW BACK. MU, RIH W/ 1' - 6 spf SQZ GUN, PERF PROD CSG @ 3920', OOH W/ SPENT GUN. SM W/ DOWNHOLE TOOL HAND, MU 2-7/8" TRANSPAK, TALLY IN W/ 1-1/4" 3.02# N-80 CS HYDRIL TBG. SD @ 21 JTS IN, WAIT ON NEW ELEVATORS (DOOR TRYING TO POP OPEN W/ WEIGHT ON THEM). NEW ELEVATORS ON LOC, CONTINUE TO TALLY IN W/ TBG. SET PKR @ 3878', TEST TBG / CSG ANN TO 750 psi, GOOD TEST, CONTINUE IN HOLE W/ TBG, SET PKR @ 3970' W/ 124 JTS TBG, TEST CIRC BETWEEN PERFS, <1 bpm @ 1800 psi, FULL RETURNS FOR FIRST 15 bb, MINIMAL TO NO RETURNS FOR BALANCE OF WATER, 40 FW PUMPED, SD, SM W/ SLB CEMENT, USE PUMP TRUCK TO ATTEMPT TO CIRCULATE, WORK RATE & SURGE WELL, NO IMPROVEMENT IN CIRCULATION. MIX & SPOT10bb CHEMWASH MUD FLUSH ACROSS PERFS W/ 17 FW DISPLACEMENT. SD, WELL STATIC, RELEASE PKR, LDOF 6 JTS TBG, ATTEMPT TO CIRC WELL CLEAN @ 3782', PUMPING @ 1.2 bpm @ 1500 psi, ATTEMPTED TO REV-CIRC, AT 1bb AWAY, WELL PRESSURED UP TO 2500 psi, HELD SOLID, RELEASED PRESSURE, ENSURED PKR WAS STILL FREE, RE-ATTEMPT TO REV-CIRC, SAME RESULT, TOOH W/ TBG TO DERRICK, PACKER IN GOOD SHAPE, NO MISSING ELEMENTS. RD CEMENTERS SECURE WELL, SDFD |
| SPIKE STATE D36-05 | 05-123-16130 | PLUG AND ABANDON | 7/22/2019 | CREW TO LOC, HSM, RIG INSP, CHECK PRESSURE'S 0/0 PU PACKER & TIH W/124 JNTS TBG & SET PACKER @ 3979'. ESTABLISH CIRC DOWN TBG THRU BTM HOLES @ 4585' UP ANNULUS TO TOP HOLES @ 3920' CIRCULATE 1 X BTMS UP UNTIL CLEAN, RELEASE PACKER & TOOH & LD PACKER. HSM/RU WL, RIH W/10K CIRC & SET @ 3973', POOH, RDWL. PU STINGER & TIH W/124 JNTS & STING INTO CIRC @ 3973' HSM/RU CEMENT, TEST LINES @ 2500 PSI, SET K/O'S @ 1900 PSI. ESTABLISH CIRC W/10 BBL'S CHEM WASH, 5 BBL'S FW SPACER MIX & P/255 SXS G W/.6% FRICTION REDUCER & .2% RETARDER & DISPLACE W/5.3 BBL'S FW STING OUT OF CIRC PLACING 1 BBL'S ON TOP OF CIRC, RD CEMENT ETOC IN ANNULUS @ 3920' & ETOC INSIDE CSG @ 3800' STANDBACK 20 STNDS & REVERSE OUT W/20 BBL'S FW, STND BACK 10 MORE STNDS & LD 64 JNTS. SWI, PU & SECURE LOC, SDFN, CREW TRAVEL. |



Daily Operations

Well Name: SPIKE STATE D36-05

Daily Operations

| Well Name | API | Job Type | Start Date | Summary |
|--------------------|--------------|------------------|------------|--|
| SPIKE STATE D36-05 | 05-123-16130 | PLUG AND ABANDON | 7/23/2019 | CREW TRAVEL, SM, RIG INSP., CHECK PRESSURE 0/0 HSM/RU WL, RIH W/SQ GUN & PERFORATE @ 2500' & 2000', POOH, STUCK @ 1530', PULL OFF CABLE HEAD, POOH, TIH W/BIT & TBG PUSH TO 2566', TOO, LD BIT. LD 20 JNTS & STND BACK 30 STNDS, PU PACKER & TIH @ 2051', SET PACKER, EST/COND HOLE, TOO & LD PACKER, RUWL, RIH W/CICR & STACK OUT @ 1977', CIRCULATE HOLE CLEAN, TOO, RIH W/CICR & SET @ 2051', POOH, RDWL PU STINGER & TIH W/TBG & STING INTO CICR HSM/RU CEMENT, EST CIRC, P/10 BBL'S MUD FLUSH, 5 BBL'S FW, MIX & P/190 SXS G NEAT = 38.9 BBL'S SLURRY, DISPLACE W/2.26 BBL'S STING OUT PLACING 1 BBL'S ON TOP OF CICR, ETOC INSIDE CSG 1879', ETOC ANNULUS 2000', RD CEMENT. LD 10 JNTS TBG @ 1729' REVERSE CIRC OUT W/15 BBL'S, SWI, SECURE LOC, SDFN, CREW TRAVEL. |
| SPIKE STATE D36-05 | 05-123-16130 | PLUG AND ABANDON | 7/24/2019 | CREW TRAVEL TO LOC. JSA AND SAFETY MEETING. ALL PRESSURES ON WELL 0 PSI, sTARTED PROCESS TO LAY DOWN REMAINING 1 1/4" HYDRILL. PULLED 5K OVER STRING WEIGHT. EVUALUATED STUCK TUBING. PULLED 15K OVER TRIED TO ROTATE PIPE. NO SUCCESS, COULD NOT CIRCULATE PRESSURE UP IMMEDIATLY. RELEASED C&J CALLED KLX TO FREEPOINT AND CUT TUBING. TOOLS STACKED OUT AT 1340' PULLED UP DETERMINED FREEPOINT AT 1320. PULLED OUT PICKED UP CHARGE AND RAN TO 1312. APPLIED TOURQUE AT THAT POINT SET CHARGE OFF AND BACKED CONNECTION OUT AT 1284. LAID 1 1/4" HYDRILL DOWN. NU BOPS DOWN RU WL AND RUN TUBING CUTTER TO 986' AD CUT 2 7/8 TBG. RD WL. SECURE WELL AND SHUT DOWN. 1,697' OF 1 1/4" HYDRILL IN WELL BACKED OFF AT 1284' LEFT 413' OF TBG IN WELL |
| SPIKE STATE D36-05 | 05-123-16130 | PLUG AND ABANDON | 7/25/2019 | CREW TRAVEL TO LOCATION, REV JSA, REV DAILY RIG CHECK LIST, CHECK GROUND OHMS 3.2, UN LAND 2 7/8 CSG, 55K TO PULL OUT OF SLIPS, STRIP OVER WELL HEAD AND BOPE, FUNCTION TEST BOPE, ATTEMPT TO CIRC WELL AND COULD NOT CIRC, PULLED 4 JNTS AND COULD NOT CIRC WENT DOWN BACK SIDE AND FOUND A HOLE IN SURFACE CSG, PULLED TO 468' ATTEMPT TO CIRC AND GOT CIRC TO TANK AND IN GROUND BY BASE BEAM, CALLED OFFICE AND DECISION MADE TO BULL HEAD CMT IN SURFACE CSG, LAY DOWN 31 JOINTS OF 2 7/8 HYDRIL CSG TO TRAILER, LOAD WELL AND CHECK FOR BUBBLES, PUMPED 1.5 BBL'S OF RED DIE WATER AND GOT RETURNS TO SURFACE EST HOLE @ 37' HELD SAFETY MEETING WITH SLBJ AND PUMP 1.5 BBL'S CMT AND SEEN CMT TO SURFACE PUMPED A TOTAL OF 5 BBL'S CMT 25 SX'S G NEAT 15.8 PPG WITH 3 % CACL2 DISP WITH .75 BBL'S OF H2O AND SHUT IN WELL USE VAC TRUCK TO CLEAR SURFACE VALVLE AND BOPE, WASH OUT STACK AND VALVE WOC UNTIL AM, STRAP TBG AND PREP RIG FOR 2 7/8 TBG EQUIPMENT, PICK UP TOOLS AND TRASH SECURE WELL |
| SPIKE STATE D36-05 | 05-123-16130 | PLUG AND ABANDON | 7/26/2019 | CREW TRAVEL TO LOCATION, REV JSA, REV DAILY RIG CHECK LIST, TIH T/468' CIRC WELL CLEAN, TIH T/703' CIRC WELL CLEAN, TIH T/848' ATTEMPT TO CIRC WELL GET CIRC AND THEN LOOSE AND PACK OFF, TIH T/938 ATTEMPT TO CIRC AND CMT AND COULD NOT DUE TO PACK OFF AND AT MAX TBG LIFT PSI, PULL UP T/848' AND BRK CIRC, RIG UP SLBJ CMT CREW AND PUMP 165 SX'S G NEAT 15.8PPG W/3% cacl2 AND FLAKE LCM, DISP 1.3 BBL'S OF WATER, RIG DOWN CMT HEAD AND WASH UP TO CMT TANK, PULL OVER 10K AND TOO, SECURE WELL AND LOCATION, WASH OUT BOPE, |
| SPIKE STATE D36-05 | 05-123-16130 | PLUG AND ABANDON | 7/29/2019 | CREW TRAVEL TO LOCATION, REV JSA, REV DAILY RIG CHECK LIST, OPEN WELL (0) PSI, LOAD WELL AND CHECK FOR BUBBLES (NONE) TIH AND TAG CMT @ 241', LAY DOWN EXCESS TBG AND TIH AND SET EOT @ 239' BREAK CIRC, WAIT ON SLBJ FOR 2 HRS, MIRU SLBJ CMT CREW AND HPJSM W/CREW PSI TO LIFT TBG @ 189 PSI, TEST LINES, PUMP 20 BBL'S G NEAT 15.8PPG CMT YEILD 1.15 BALANCED PLUG CMT TO SURFACE, BREAK OFF HEAD AND INSTALL ON WASH UP T, LAY DOWN TBG TO TRAILER, TOP OFF WELL WITH 1/2 BBL'S CMT, WASH UP CMT TRUCK AND MOVE OUT SLBJ, RIG DOWN WORK FLOOR, NIPPLE DOWN BOPE, INSTALL NIGHT CAP, REV JSA LAY OVER MAST, RELEASE GUY WIRES AND LAY OVER RIG, RIG DOWN PUMP AND TANK, HYDRO VAC TO CLEAN WORK TANK, RIG MOVE TRUCKS TO MOVE RIG REV JSA, LOAD OUT RIG AND MISC EQUIPMENT, BASE BEAM AND PUMP AND WATER TANK, DRIVE TO LDS WHITE |