

US ROCKIES REGION
Operation Summary Report

| | | | |
|--|--|---|-------------------------------|
| Well: BUTCH 3-19 | | Spud date: 9/16/2004 | |
| Project: COLORADO-WELD-NAD83-UTM13 | | Site: BUTCH 3-19 | Rig name no.: BASIC 1549/1549 |
| Event: ABANDONMENT | | Start date: 6/10/2019 | End date: 6/26/2019 |
| Active datum: RKB @4,898.99usft (above Mean Sea Level) | | UWI: 0/3/N/67/W/19/0/NWNE/6/0/0/0/0/0/0/0 | |

| Date | Time Start-End | Duration (hr) | Phase | Code | Sub Code | P/U | MD from (usft) | Operation |
|-----------|----------------|---------------|--------|------|----------|-----|----------------|---|
| 5/15/2019 | 7:00 - 8:00 | 1.00 | ABANDP | 53 | B | P | | FORM 17 TEST |
| 6/4/2019 | 8:00 - 11:00 | 3.00 | LOCPRP | 53 | B | P | | ANCHORS PLUS INSTALL A 1 ACRE STRING FENCE. |
| 6/5/2019 | - | | | | | | | |
| 6/6/2019 | - | | | | | | | |
| 6/10/2019 | 0:00 - | | ABANDP | 52 | I | P | | INITIAL WELL PSI - 354# ON 2-3/8" TBG 528# ON 4-1/2" CSG 0# ON 8-5/8" SFC OPENED SFC TO WRK TNK, NO FLOW / FLUID. LEFT SFC OPEN DURING WELL OPERATIONS |
| | 6:00 - 7:00 | 1.00 | ABANDP | 30 | G | P | | CREW TRAVEL TO ASBURY V3-19. |
| | 7:00 - 7:30 | 0.50 | ABANDP | 48 | B | P | | HELD DAILY JSA / SAFETY MEETING. SEE SAFETY TAB FOR DETAILS. |
| | 7:30 - 8:30 | 1.00 | ABANDP | 30 | G | P | | ROAD RIG & AUX EQUIPT TO LOCATION |
| | 8:30 - 9:30 | 1.00 | ABANDP | 30 | A | P | | SPOT IN AUX EQUIPT, SPOT IN & RIG UP BASIC RIG#1549 |
| | 9:30 - 10:30 | 1.00 | ABANDP | 30 | E | P | | RU PUMP LINES, BLOW WELL PSI DN TO WRK TNK. |
| | 10:30 - 11:30 | 1.00 | ABANDP | 30 | E | P | | PUMP WELL CNTRL. WELL LOADED W/ 80 BBL BIO-WATER. CIRC 120 TOTAL BBL (WB VOL @ 100 BBL) STOP CIRC, NO FLOW. RD CIRC EQUIPT |
| | 11:30 - 13:30 | 2.00 | ABANDP | 30 | D | P | | HELD PRE-JOB SAFETY MEETING MIRU ROCKY MOUNTAIN OILFIELD RENTAL PSI TEST UNIT RMOR PSI TEST BOP BLIND RAMS; 250# LOW / 5 MIN 5000# HIGH / 15 MIN PSI TEST GOOD, RLSE PSI TO PSI TEST UNIT. NDWH, NU BOP. RMOR PSI TEST BOP PIPE RAMS; 250# LOW / 5 MIN 5000# HIGH / 15 MIN. PSI TEST GOOD. RLSE PSI TO PSI TEST UNIT. RDMO RMOR PSI TEST UNIT. |
| | 13:30 - 15:00 | 1.50 | ABANDP | 31 | I | P | | POOH W/ 2-3/8", 4.7#, J-55 PROD STRING. POOH W/ 232 TOTAL JTS, 1.875 PROFILE NIPPLE & NC. |
| | 15:00 - 15:45 | 0.75 | ABANDP | 34 | O | P | | HELD PRE-JOB SAFETY MEETING MIRU PIONEER WIRELINE UNIT. WL RIH W/ 3..75" OD GAUGE RING, & JUNK BASKET RIH TO 6950', POOH, JB CLEAR OF DEBRIS. |
| | 15:45 - 16:30 | 0.75 | ABANDP | 34 | I | P | | WL RIH W/ 4-1/2", 11.6# CIBP. TARGET SET @ 6935' CCL @ 6927' + 8' OFFSET = CIBP @ 6935' LT @ 1058#, ENG SET TOOL, LT @ 1025# IN 5 SECONDS. PU & TAG CIBP, POOH, RDMO WL. |
| | 16:30 - 17:00 | 0.50 | ABANDP | 30 | K | P | | RIG CREW SHUT WELL IN. SECURE LOCATION & WRK TNKS. |
| | 17:00 - 18:00 | 1.00 | ABANDP | 30 | G | P | | CREW TRAVEL TO YARD. |

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|-----------|----------------|---------------|--------|------|----------|-----|----------------|---|
| 6/11/2019 | 0:00 - | | ABANDP | 52 | I | P | | INITIAL WELL PSI - 0# ON 4-1/2" CSG 0# ON 8-5/8" SFC OPENED SFC TO WRK TNK, NO FLOW / FLUID. LEFT SFC OPEN DURING WELL OPERATIONS. |
| | 8:00 - 9:00 | 1.00 | ABANDP | 30 | G | P | | CREW TRAVEL TO LOCATION |
| | 9:00 - 9:30 | 0.50 | ABANDP | 48 | B | P | | HELD DAILY JSA / SAFETY MEETING SEE SAFETY TAB FOR DETAILS. |
| | 9:30 - 11:30 | 2.00 | ABANDP | 31 | I | P | | RIH W/ 2-3/8" MULESHOE & 2-3/8", 4.7#, J-55 TBG, TALLYING RIH W/ 223 TOTAL JTS TO CIBP @ 6935' |
| | 11:30 - 12:30 | 1.00 | ABANDP | 31 | H | P | | RU CIRC EQUIPT. EST REV CIRC @ 2.1 BBL/MIN @ 500# CIRC PSI CIRC 120 TOTAL BBL (WB VOL @ 97 BBL) VERIFY GAS CIRC OUT OF WELLBORE. STOP CIRC, NO FLOW. |
| | 12:30 - 13:00 | 0.50 | ABANDP | 52 | I | P | | PERFORM 500# / 15 MIN PSI TEST. PSI TEST GOOD. RLSE PSI TO WK TNK, NO FLOW. |
| | 13:00 - 14:00 | 1.00 | ABANDP | 51 | C | P | | HELD PRE-JOB SAFETY MEETING. MIRU BASIC CEMENT CREW. PUMP NIO BLNCE CMNT PLUG; 5 BBL FRESH 25 SX (6.8 BBL) 15.8#, 1.53 YLD CMNT DISPL 23.7 BBL. EST TOC @ 6535' |
| | 14:00 - 15:00 | 1.00 | ABANDP | 31 | I | P | | POOH. SB 41 2-3/8" TBG STNDS, LD 16 2-3/8" TBG SINGLES EOT @ 3870' W/ 125 2-3/8" JTS. |
| | 15:00 - 15:30 | 0.50 | ABANDP | 51 | C | P | | RU BASIC CMNT CREW. PUMP SUSSEX BLNC PLUG CMNT; 5 BBL FRESH 10 SX (2.8 BBL) 14#, 1.58 YLD CMNT. DISPL 14 BBL, EST TOC @ 3690' |
| | 15:30 - 16:00 | 0.50 | ABANDP | 31 | H | P | | POOH. LD 10 2-3/8" TBG SINGLES. EOT @ 3566' W/ 115 2-3/8" JTS. RU CIRC EQUIPT. REV CIRC 25 TOTAL BBL (TBG VOL @ 13.8 BBL) VERIFY TBG CLEAR OF CMNT. STOP CIRC, NO FLOW. RD CIRC EQUIPT. |
| | 16:00 - 17:30 | 1.50 | ABANDP | 31 | I | P | | CONT POOH. LD REMAINING 125 2-3/8" TBG SINGLES |
| | 17:30 - 18:00 | 0.50 | ABANDP | 30 | G | P | | RIG CREW SHUT WELL IN. SECURE LOCATION & WRK TNKS CREW TRAVEL TO YARD. |
| 6/12/2019 | 0:00 - | | ABANDP | 52 | I | P | | INITIAL WELL PSI - 0# ON 4-1/2" CSG 0# ON 8-5/8" SFC OPENED SFC TO WRK TNK, NO FLOW / FLUID. LEFT SFC OPEN DURING WELL OPERATIONS. |
| | 6:00 - 7:00 | 1.00 | ABANDP | 30 | G | P | | CREW TRAVEL TO LOCATION |
| | 7:00 - 7:30 | 0.50 | ABANDP | 48 | B | P | | HELD DAILY JSA / SAFETY MEETING. SEE SAFETY TAB FOR DETAILS. |
| | 7:30 - 8:30 | 1.00 | ABANDP | 34 | L | P | | MIRU RELIANCE WIRELINE UNIT. WL RIH W/ 4-1/2", 11.6# CSG JET CUTTER. TARGET CUT @ 2500' LOAD WELLBORE & APPLY 200# SFC PSI. CCL @ 2492' + 8' OFFSET = JET CUT @ 2500' WL ENG JET CUTTER, LOST ALL PSI. POOH, RDMO WL. |

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|-----------|----------------|---------------|--------|------|----------|-----|----------------|---|
| | 8:30 - 10:30 | 2.00 | ABANDP | 31 | H | P | | RU CIRC EQUIPT. EST CONV CIRC @ 2.06 BBL/MIN @ 250# CIRC PSI. CIRC 195 TOTAL BBL (WB VOL @ 176 BBL W/ 100% EXCESS, 104 BBL @ 0% EXCESS) STOP CIRC, NO FLOW. RD CIRC EQUIPT |
| | 10:30 - 11:30 | 1.00 | ABANDP | 30 | J | P | | RIG CREW ND 7"5K BOP & TBG HD. UNLAND 4-1/2", 11.6# CSG. |
| | 11:30 - 12:30 | 1.00 | ABANDP | 30 | F | P | | NU 11"3K ADAPTOR SPOOL, 11"3K x 7"5K P&A SPOOL, & 7" 5K BOP W/ 4-1/2" FUNCTN TESTED PIPE RAMS. |
| | 12:30 - 14:30 | 2.00 | ABANDP | 31 | I | P | | RU CSG LD EQUIPT. LD 60 TOTAL 4-1/2", 11.6# CSG SINGLES. RD LD EQUIPT, XO TO 2-3/8" TBG EQUIPT. |
| | 14:30 - 16:30 | 2.00 | ABANDP | 31 | I | P | | RIH W/ 2-3/8" MS & 2-3/8", 4.7#, J-55 TBG. TAGGED W/ 78 TOTAL JTS @ 2415' (CSG TOP @ 2500') UNABLE TO RIH. HAD WRK TNK BTTMD & WASHED OUT |
| | 16:30 - 17:00 | 0.50 | ABANDP | 31 | H | P | | RU CIRC EQUIPT. EST CONV CIRC. STOP CIRC, NO FLOW. RD CIRC EQUIPT |
| | 17:00 - 17:30 | 0.50 | ABANDP | 31 | I | P | | POOH W/ 58 TOTAL JTS. EOT @ 612' W/ 20 TOTAL JTS (SFC @ 725') |
| | 17:30 - 18:00 | 0.50 | ABANDP | 30 | K | P | | RIG CREW SHUT WELL IN. SECURE WELL & WRK TNKS |
| | 18:00 - 19:00 | 1.00 | ABANDP | 30 | G | P | | CREW TRAVEL TO YARD. |
| 6/13/2019 | 0:00 - | | ABANDP | 52 | I | P | | INITIAL WELL PSI - 0# ON 2-3/8" TBG 0# ON 8-5/8" SFC OPENED SFC TO WRK TNK, NO FLOW/FLUID. CREW TRAVEL TO LOCATION |
| | 6:00 - 7:00 | 1.00 | ABANDP | 30 | G | P | | CREW TRAVEL TO LOCATION |
| | 7:00 - 7:30 | 0.50 | ABANDP | 48 | B | P | | HELD DAILY JSA / SAFETY MEETING. SEE SAFETY TAB FOR DETAILS. |
| | 7:30 - 8:00 | 0.50 | ABANDP | 31 | I | P | | RIH W/ 2-3/8" MULE SHOE, & 2-3/8", 4.7#, J-55 TBG. RIH W/ 30 2-3/8" TBG STNDS. TAGGED W/ 80 TOTAL JTS @ 2477" (TOP OF 4-1/2" CSG @ 2500') |
| | 8:00 - 9:00 | 1.00 | ABANDP | 31 | I | P | | RU TBG SWVL & CIRC EQUIPT. EST CONV CIRC @ 1.50 BBL/MIN @ 250# CIRC PSI. CIRC IN INTO 4-1/2" CSG W/ JT # 81 @ 2519' STOP CIRC, NO FLOW. RIH W/ JT #82 @ 2550' |
| | 9:00 - 15:00 | 6.00 | ABANDP | 31 | H | P | | EST CONV CIRC @ 2.00 BBL/MIN @ 450# CIRC PSI. HAULED 70 BBL OFF TO ARF LOAD & CIRC IN FRESH BIO WATER. CONT CONV CIRC @ 2.00 BBL/MIN @ 450# CIRC PSI. CIRC 600 TOTAL BBLS (WB VOL @ 248 BBL @ 100% EXC) STOP CIRC, NO FLOW. |
| | 15:00 - 16:00 | 1.00 | ABANDP | 51 | C | P | | HELD PRE-JOB SAFETY MEETING. MIRU BASIC CMNT CREW PUMP CSG STUB PLUG CMNT; 15 BBL CHEM WASH 105 SX (29.5 BBL) 14#, 1.58 YLD CMNT DISPL 7.7 BBL, EST TOC @ 2262' |
| | 16:00 - 16:30 | 0.50 | ABANDP | 31 | I | P | | POOH. LD 52 2-3/8", 4.7#, J-55 TBG SINGLES. EOT @ 925' W/ 30 2-3/8" JTS. |

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|-----------|----------------|---------------|--------|------|----------|-----|----------------|--|
| | 16:30 - 17:00 | 0.50 | ABANDP | 51 | B | P | | PUMP SFC PLUG CMNT; 5 BBL CHEM WASH 135 SX (38 BBL) 14#, 1.58 YLD CMNT DISPL 1.9 BBL, EST TOC @ 506' |
| | 17:00 - 18:00 | 1.00 | ABANDP | 31 | H | P | | POOH. LD 22 2-3/8", 4.7#, J-55 TBG SINGLES. EOT @ 248' W/ 8 TOTAL 2-3/8" JTS. RU CIRC EQUIP REV CIRC 10 TOTAL BBL (.96 BBL TBG VOL) VERIFY TBG CLEAR OF CMNT. STOP CIRC, NO FLOW, RD CIRC EQUIP LD REMAINING 10 2-3/8" TBG SINGLES & MULESHOE. |
| | 18:00 - 18:30 | 0.50 | ABANDP | 30 | K | P | | RIG CREW SHUT WELL IN. SECURE LOCATION & WRK TNKS. |
| | 18:30 - 19:30 | 1.00 | ABANDP | 30 | G | P | | CREW TRAVEL TO YARD. |
| 6/14/2019 | 0:00 - | | ABANDP | 52 | I | P | | INITIAL WELL PSI - 0# ON 8-5/8" SFC OPENED SFC TO WRK TNK, NO FLOW / FLUID. |
| | 6:00 - 7:00 | 1.00 | ABANDP | 30 | G | P | | CREW TRAVEL TO LOCATION |
| | 7:00 - 7:30 | 0.50 | ABANDP | 48 | B | P | | HELD DAILY JSA / SAFETY MEETING, SEE SAFETY TAB FOR DETAILS. |
| | 7:30 - 8:00 | 0.50 | ABANDP | 31 | I | P | | RIH W/ 2-3/8" MULESHOE & 2-3/8", 4.7#, J-55 TBG SINGLES. TAGGED TOC W/ 13 TOTAL JTS @ 375'. POOH, LD 13 2-3/8" TBG SINGLES & MS |
| | 8:00 - 9:00 | 1.00 | ABANDP | 52 | I | P | | PEFORM 500# / 15 MINUTE PSI TEST PSI TEST FAIL. RLSE PSI TO WRK TNK, NO FLOW. |
| | 9:00 - 9:30 | 0.50 | ABANDP | 30 | J | P | | ND 7"5K BOP & 7"5K x 11"3K P&A SPOOL STRIP IN THUNDERBIRD TOOLS 8-5/8" TENSION PKR & 4' x 2-3/8" N-80 PUP JT. |
| | 9:30 - 10:00 | 0.50 | ABANDP | 30 | F | P | | NU 11"3K x 7"5K P&A SPOOL & 7"5K BOP. |
| | 10:00 - 10:15 | 0.25 | ABANDP | 31 | C | P | | PU RIH W/ 2-3/8", 4.7#, J-55 TBG SINGLES. SET 8-5/8" TENSION PKR W/ 12 TOTAL JTS @ 370' IN 20K TENSION. |
| | 10:15 - 11:00 | 0.75 | ABANDP | 52 | I | P | | RU CIRC EQUIPT. PEFORM 500# / 15 MIN PSI TEST DN TBG @ 468#. PSI TEST FAILED RLSE PSI TO WRK TNK, NO FLOW. PSI TEST DN ANNULAR @ 565# / 15 MIN. PSI TEST GOOD. RLSE PSI TO WRK TNK. NO FLOW. RD CIRC EQUIP |
| | 11:00 - 11:30 | 0.50 | ABANDP | 31 | I | P | | POOH. LD 11 2-3/8", 4.7#, J-55 TBG SINGLES. ND 7"5K BOP, 7"5K x 11"3K P&A SPOOL STRIP OUT JT #12, 4' x 2-3/8" N-80 PUP JT, & 8-5/8" TENSION PKR |
| | 11:30 - 12:00 | 0.50 | ABANDP | 34 | I | P | | HELD PRE-JOB SAFETY MEETING. MIRU RELIANCE WIRELINE UNIT. WL RIH W/ 8-5/8", 24# CIBP. TARGET SET "TOC OF 375" CCL @ 361' + 9' OFFSET = CIBP @ 370' LT @ 478#, ENG SET TOOL, LT @ 225# IN 8 SECONDS. PU & DN, TAGGED CIBP, POOH. |
| | 12:00 - 12:30 | 0.50 | ABANDP | 34 | D | P | | WL RIH 2X W/ DUMP BAILER. WL DUMP BAILED 6 TOTAL SX OF CMNT ONTO CIBP @ 370' POOH, LD DUMP BAILER. |

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| | 12:30 - 13:00 | 0.50 | ABANDP | 34 | I | P | | WL RIH W/ 8-5/8", 24# CIBP. TARGET SET @ 80'. CCL @ 71' + 9' = CIBP @ 80' LT @ 420#, ENG SET TOOL, LT @ 180# IN 3 SECONDS |
| | 13:00 - 14:00 | 1.00 | ABANDP | 30 | C | P | | PU & DN, TAGGED CIBP, POOH, RDMO WL UNIT. RIG CREW RACK PUMP & TANKS, PU LOCATION, RD PULLING UNIT. SECURE LOCATION MOVE OFF TO SAM M OKAMOTO GU #1. |
| 6/26/2019 | 13:00 - 14:00 | 1.00 | ABANDZ | 52 | | P | | PRESSURE TESTED CIBP, SURFACE CASING TO 500 PSI |
| | 14:00 - 15:00 | 1.00 | ABANDZ | 53 | B | P | | DUG UP SURFACE CASING |
| | 15:00 - 16:00 | 1.00 | ABANDZ | 53 | C | P | | CUT CASING 6' BELOW GL, TAGGED @ 78' |
| | 16:00 - 17:00 | 1.00 | ABANDZ | 53 | B | P | | FILLED CASING STUB WITH 48 BAGS 5000 PSI CEMENT |
| | 17:00 - 18:00 | 1.00 | ABANDZ | 53 | A | P | | CAPPED CASING WITH A METAL PLATE CONTAINING WELL INFO |
| | 18:00 - 19:00 | 1.00 | ABANDZ | 53 | B | P | | BACKFILLED |
| | 19:00 - 19:00 | 0.00 | ABANDZ | 53 | F | P | | PLACED MARKER BALL |
| | 17:15 - 17:15 | 0.00 | ABANDP | 50 | | | | P&A'd OFFLINE. NB-CD. |