

EnCana Oil & Gas (USA) Inc. N. Piceance Operations

N Parachute EF01E-34 P27 595 Perforation Sheet

AFE #: 11150477 API #: 05045202840000
Production Casing: 11398' of 4.5" - 11.6# - P-110 - Buttress thread
TOC: 2,505' , APD TOC is to be lifted 200' above the Williams Fork
Short Joints: 6,437' and 9,900'
Casing ID: 4.00 in.
W/L PBTD: 11,359 ft
Biocide: 0.25 gpt Bleach: 0.1 gpt



| | |
|-----------------|-------------------------|
| Prop Conc (ppa) | Appx Gal / Net ft (Ref) |
| 0 | 16,000 |

| | Top of Stage | Bottom of Stage | Difference | Top Perf | Bottom Perf | Perforation | | Total Holes | Net Pay Height (ft) | Prop Vol. (lbs) | Est. Water (bbls) |
|--|--------------|-----------------|------------|----------|-------------|-------------|-----|-------------|---------------------|-----------------|--------------------|
| Stage 1 Illes | 10740 | 11006 | | 11005 | 11006 | 3 | spf | 3 | Total Holes | 0 | NO PROP NO PLUG |
| | | | | 10990 | 10991 | 3 | spf | 3 | | | |
| | | | | 10967 | 10968 | 3 | spf | 3 | | | |
| | | | | 10947 | 10948 | 3 | spf | 3 | | | |
| | | | | 10901 | 10902 | 3 | spf | 3 | | | |
| | | | | 10886 | 10887 | 3 | spf | 3 | | | |
| | | | | 10861 | 10862 | 3 | spf | 3 | | | |
| | | | | 10842 | 10843 | 3 | spf | 3 | | | |
| | | | | 10756 | 10757 | 3 | spf | 3 | | | |
| | | | | 10740 | 10741 | 3 | spf | 3 | | | |
| | | | | | | | | | | | |
| Stage 2 Williams Fork | 9844 | 10095 | | 10094 | 10095 | 3 | spf | 3 | Total Holes | 0 | NO PROP NO PLUG |
| | | | | 10079 | 10080 | 3 | spf | 3 | | | |
| | | | | 10053 | 10054 | 3 | spf | 3 | | | |
| | | | | 10025 | 10026 | 3 | spf | 3 | | | |
| | | | | 9977 | 9978 | 3 | spf | 3 | | | |
| | | | | 9962 | 9963 | 3 | spf | 3 | | | |
| | | | | 9927 | 9928 | 3 | spf | 3 | | | |
| | | | | 9899 | 9900 | 3 | spf | 3 | | | |
| | | | | 9883 | 9884 | 3 | spf | 3 | | | |
| | | | | 9844 | 9845 | 3 | spf | 3 | | | |
| | | | | | | | | | | | |
| Stage 3 Williams Fork | 9464 | 9751 | | 9750 | 9751 | 3 | spf | 3 | Total Holes | 0 | NO PROP NO PLUG |
| | | | | 9737 | 9738 | 3 | spf | 3 | | | |
| | | | | 9724 | 9725 | 3 | spf | 3 | | | |
| | | | | 9704 | 9705 | 3 | spf | 3 | | | |
| | | | | 9622 | 9623 | 3 | spf | 3 | | | |
| | | | | 9592 | 9593 | 3 | spf | 3 | | | |
| | | | | 9522 | 9523 | 3 | spf | 3 | | | |
| | | | | 9501 | 9502 | 3 | spf | 3 | | | |
| | | | | 9487 | 9488 | 3 | spf | 3 | | | |
| | | | | 9464 | 9465 | 3 | spf | 3 | | | |
| | | | | | | | | | | | |
| Stage 4 Williams Fork | 9115 | 9385 | | 9384 | 9385 | 3 | spf | 3 | Total Holes | 0 | NO PROP NO PLUG |
| | | | | 9370 | 9371 | 3 | spf | 3 | | | |
| | | | | 9350 | 9351 | 3 | spf | 3 | | | |
| | | | | 9328 | 9329 | 3 | spf | 3 | | | |
| | | | | 9308 | 9309 | 3 | spf | 3 | | | |
| | | | | 9279 | 9280 | 3 | spf | 3 | | | |
| | | | | 9197 | 9198 | 3 | spf | 3 | | | |
| | | | | 9171 | 9172 | 3 | spf | 3 | | | |
| | | | | 9143 | 9144 | 3 | spf | 3 | | | |
| | | | | 9115 | 9116 | 3 | spf | 3 | | | |
| | | | | | | | | | | | |
| Stage 5 Williams Fork | 8739 | 9035 | | 9034 | 9035 | 3 | spf | 3 | Total Holes | 0 | NO PROP NO PLUG |
| | | | | 9017 | 9018 | 3 | spf | 3 | | | |
| | | | | 8970 | 8971 | 3 | spf | 3 | | | |
| | | | | 8948 | 8949 | 3 | spf | 3 | | | |
| | | | | 8906 | 8907 | 3 | spf | 3 | | | |
| | | | | 8881 | 8882 | 3 | spf | 3 | | | |
| | | | | 8824 | 8825 | 3 | spf | 3 | | | |
| | | | | 8810 | 8811 | 3 | spf | 3 | | | |
| | | | | 8793 | 8794 | 3 | spf | 3 | | | |
| | | | | 8739 | 8740 | 3 | spf | 3 | | | |
| | | | | | | | | | | | |
| Stage 6 Williams Fork | 8471 | 8718 | | 8717 | 8718 | 3 | spf | 3 | Total Holes | 0 | NO PROP NO PLUG |
| | | | | 8694 | 8695 | 3 | spf | 3 | | | |
| | | | | 8678 | 8679 | 3 | spf | 3 | | | |
| | | | | 8660 | 8661 | 3 | spf | 3 | | | |
| | | | | 8632 | 8633 | 3 | spf | 3 | | | |
| | | | | 8617 | 8618 | 3 | spf | 3 | | | |
| | | | | 8582 | 8583 | 3 | spf | 3 | | | |
| | | | | 8560 | 8561 | 3 | spf | 3 | | | |
| | | | | 8492 | 8493 | 3 | spf | 3 | | | |
| | | | | 8471 | 8472 | 3 | spf | 3 | | | |
| | | | | | | | | | | | |
| Stage 7 Williams Fork | 8179 | 8428 | | 8427 | 8428 | 3 | spf | 3 | Total Holes | 0 | NO PROP NO PLUG |
| | | | | 8393 | 8394 | 3 | spf | 3 | | | |
| | | | | 8361 | 8362 | 3 | spf | 3 | | | |
| | | | | 8349 | 8350 | 3 | spf | 3 | | | |
| | | | | 8336 | 8337 | 3 | spf | 3 | | | |
| | | | | 8284 | 8285 | 3 | spf | 3 | | | |
| | | | | 8270 | 8271 | 3 | spf | 3 | | | |
| | | | | 8231 | 8232 | 3 | spf | 3 | | | |
| | | | | 8199 | 8200 | 3 | spf | 3 | | | |
| | | | | 8179 | 8180 | 3 | spf | 3 | | | |
| | | | | | | | | | | | |
| Stage 8 Williams Fork | 7844 | 8121 | | 8120 | 8121 | 3 | spf | 3 | Total Holes | 0 | |
| | | | | 8073 | 8074 | 3 | spf | 3 | | | |
| | | | | 8044 | 8045 | 3 | spf | 3 | | | |
| | | | | 7996 | 7997 | 3 | spf | 3 | | | |
| | | | | 7973 | 7974 | 3 | spf | 3 | | | |
| | | | | | | | | | | | |

| | | | | | | | | | |
|---------------|------|------|------|------|-----|-----|---|--------------------|----|
| | | | 7946 | 7947 | 3 | spf | 3 | NO PROP NO PLUG | |
| | | | 7914 | 7915 | 3 | spf | 3 | | |
| | | | 7888 | 7889 | 3 | spf | 3 | | |
| | | | 7869 | 7870 | 3 | spf | 3 | | |
| | | | 7844 | 7845 | 3 | spf | 3 | | |
| | | | | | | | | | |
| Stage 9 | 7393 | 7647 | 7646 | 7647 | 3 | spf | 3 | Total Holes | 0 |
| Williams Fork | | | 7628 | 7629 | 3 | spf | 3 | | 30 |
| | | | 7616 | 7617 | 3 | spf | 3 | | |
| | | | 7591 | 7592 | 3 | spf | 3 | | |
| | | | 7560 | 7561 | 3 | spf | 3 | | |
| | | | 7544 | 7545 | 3 | spf | 3 | | |
| | | | 7510 | 7511 | 3 | spf | 3 | | |
| | | | 7444 | 7445 | 3 | spf | 3 | | |
| | | | 7414 | 7415 | 3 | spf | 3 | | |
| | | 7393 | 7394 | 3 | spf | 3 | | NO PROP NO PLUG | |
| | | | | | | | | | |
| Stage 10 | 7087 | 7358 | 7357 | 7358 | 3 | spf | 3 | Total Holes | 0 |
| Williams Fork | | | 7342 | 7343 | 3 | spf | 3 | | 30 |
| | | | 7316 | 7317 | 3 | spf | 3 | | |
| | | | 7280 | 7281 | 3 | spf | 3 | | |
| | | | 7255 | 7256 | 3 | spf | 3 | | |
| | | | 7205 | 7206 | 3 | spf | 3 | | |
| | | | 7174 | 7175 | 3 | spf | 3 | | |
| | | | 7140 | 7141 | 3 | spf | 3 | | |
| | | | 7110 | 7111 | 3 | spf | 3 | | |
| | | 7087 | 7088 | 3 | spf | 3 | | NO PROP NO PLUG | |
| | | | | | | | | | |
| Stage 11 | 6889 | 7071 | 7070 | 7071 | 3 | spf | 3 | Total Holes | 0 |
| Williams Fork | | | 7040 | 7041 | 3 | spf | 3 | | 30 |
| | | | 7024 | 7025 | 3 | spf | 3 | | |
| | | | 7007 | 7008 | 3 | spf | 3 | | |
| | | | 6995 | 6996 | 3 | spf | 3 | | |
| | | | 6969 | 6970 | 3 | spf | 3 | | |
| | | | 6953 | 6954 | 3 | spf | 3 | | |
| | | | 6944 | 6945 | 3 | spf | 3 | | |
| | | | 6919 | 6920 | 3 | spf | 3 | | |
| | | 6889 | 6890 | 3 | spf | 3 | | NO PROP NO PLUG | |
| | | | | | | | | | |
| Stage 12 | 6614 | 6856 | 6855 | 6856 | 3 | spf | 3 | Total Holes | 0 |
| Williams Fork | | | 6848 | 6849 | 3 | spf | 3 | | 30 |
| | | | 6816 | 6817 | 3 | spf | 3 | | |
| | | | 6791 | 6792 | 3 | spf | 3 | | |
| | | | 6724 | 6725 | 3 | spf | 3 | | |
| | | | 6689 | 6690 | 3 | spf | 3 | | |
| | | | 6674 | 6675 | 3 | spf | 3 | | |
| | | | 6638 | 6639 | 3 | spf | 3 | | |
| | | | 6623 | 6624 | 3 | spf | 3 | | |
| | | 6614 | 6615 | 3 | spf | 3 | | NO PROP NO PLUG | |

Totals

Net Sand
Height (ft)
0

Prop (lbs)
0