

### Wellbore Diagram

**Abraxas Petroleum Corporation**

**Mesquite 37 102H**

### Sandbar (Bone Spring)

08/09/18

Well

Field

Report Date

## Oil

☐ Proposed Completion      ☒ Initial Completion

☐ Present Completion      Date: \_\_\_\_\_

### Surface Location

Bottom Hole Location

**LAT N:**  
**LONG W:**

LAT N:  
LONG W:

**SHL Ground Elevation: 2595'**

**Elevation KB: 2623'**

| Wellbore Information  |        | Completion Information                     |        |        |        |        |        |        |        |        |        |         |         |  |
|---|--------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|--|
| 80' Conductor 20"   |        |  |        |        |        |        |        |        |        |        |        |         |         |  |
| Cement to surface   |        | A-Section 9 5/8" X 11" 5K SOW              |        |        |        |        |        |        |        |        |        |         |         |  |
|   |        | DSA 11" 5K X 11"10K                        |        |        |        |        |        |        |        |        |        |         |         |  |
| 12 1/4" hole  |        | Tubing Head 11" 10K x 7 1/16 15K           |        |        |        |        |        |        |        |        |        |         |         |  |
| 9 5/8" 40# J-55 STC @ 2360'   |        |  |        |        |        |        |        |        |        |        |        |         |         |  |
| Cmt w/ 1074 sx Lead & 310 sx Tail   |        |  |        |        |        |        |        |        |        |        |        |         |         |  |
|   |        |  |        |        |        |        |        |        |        |        |        |         |         |  |
|   |        |  |        |        |        |        |        |        |        |        |        |         |         |  |
| DV Tool @ 4957'   |        | STAGE                                      | Perf 1 | Perf 2 | Perf 3 | Perf 4 | Perf 5 | Perf 6 | Perf 7 | Perf 8 | Perf 9 | Perf 10 | Perf 11 |  |
| EST TOC @ 825'  |        | 1  | 16076  | 16061  | 16046  | 16031  | 16016  | 16001  | 15986  | 15971  | 15956  | 15941   | 15926   |  |
|   |        | 2  | 15896  | 15880  | 15865  | 15850  | 15835  | 15820  | 15805  | 15790  | 15775  | 15760   | 15745   |  |
|   |        | 3  | 15715  | 15700  | 15685  | 15670  | 15655  | 15640  | 15625  | 15610  | 15595  | 15580   | 15565   |  |
|   |        | 4  | 15535  | 15519  | 15504  | 15489  | 15474  | 15444  | 15429  | 15414  | 15399  | 15384   |         |  |
|   |        | 5  | 15354  | 15339  | 15324  | 15309  | 15294  | 15279  | 15264  | 15249  | 15234  | 15219   | 15204   |  |
|   |        | 6  | 15174  | 15158  | 15143  | 15128  | 15113  | 15098  | 15083  | 15068  | 15053  | 15038   | 15023   |  |
|   |        | 7  | 14993  | 14978  | 14963  | 14948  | 14933  | 14918  | 14903  | 14888  | 14873  | 14858   | 14843   |  |
|   |        | 8  | 14813  | 14797  | 14782  | 14767  | 14752  | 14737  | 14722  | 14707  | 14692  | 14677   | 14662   |  |
|   |        | 9  | 14632  | 14617  | 14602  | 14587  | 14572  | 14557  | 14542  | 14527  | 14512  | 14497   | 14482   |  |
|   |        | 10   | 14452  | 14436  | 14421  | 14406  | 14391  | 14376  | 14361  | 14346  | 14331  | 14316   | 14301   |  |
|   |        | 11   | 14271  | 14256  | 14241  | 14226  | 14211  | 14196  | 14181  | 14166  | 14151  | 14136   | 14121   |  |
|   |        | 12   | 14091  | 14075  | 14060  | 14045  | 14030  | 14015  | 14000  | 13985  | 13970  | 13955   | 13940   |  |
|   |        | 13   | 13910  | 13875  | 13880  | 13865  | 13850  | 13835  | 13820  | 13805  | 13790  | 13775   | 13760   |  |
|   |        | 14   | 13730  | 13714  | 13699  | 13684  | 13669  | 13654  | 13639  | 13624  | 13609  | 13594   | 13579   |  |
|   |        | 15   | 13549  | 13534  | 13519  | 13504  | 13489  | 13474  | 13459  | 13444  | 13429  | 13414   | 13399   |  |
|   |        | 16   | 13369  | 13353  | 13338  | 13323  | 13308  | 13293  | 13278  | 13263  | 13248  | 13233   | 13218   |  |
|   |        | 17   | 13188  | 13173  | 13158  | 13143  | 13128  | 13113  | 13098  | 13083  | 13068  | 13053   | 13038   |  |
|   |        | 18   | 13008  | 12992  | 12977  | 12962  | 12947  | 12932  | 12917  | 12902  | 12887  | 12872   | 12857   |  |
|   |        | 19   | 12827  | 12812  | 12797  | 12782  | 12767  | 12752  | 12737  | 12722  | 12707  | 12692   | 12677   |  |
|   |        | 20   | 12647  | 12631  | 12616  | 12601  | 12586  | 12571  | 12556  | 12541  | 12526  | 12511   | 12496   |  |
| 8 3/4" Hole   |        | 21   | 12466  | 12451  | 12436  | 12421  | 12406  | 12391  | 12376  | 12361  | 12346  | 12331   | 12316   |  |
|   |        | 22   | 12286  | 12270  | 12255  | 12240  | 12225  | 12210  | 12195  | 12180  | 12165  | 12150   | 12135   |  |
| GAS LIFT VALVES   |        | 23   | 12105  | 12090  | 12075  | 12060  | 12045  | 12030  | 12015  | 12000  | 11985  | 11970   | 11955   |  |
| #14   | 2306'  | 24   | 11925  | 11909  | 11894  | 11879  | 11864  | 11849  | 11834  | 11819  | 11804  | 11789   | 11774   |  |
| #13   | 3750'  | 25   | 11744  | 11729  | 11714  | 11699  | 11684  | 11669  | 11654  | 11639  | 11624  | 11609   | 11594   |  |
| #12   | 4475'  | 26   | 11564  | 11548  | 11533  | 11518  | 11503  | 11488  | 11473  | 11458  | 11443  | 11428   | 11413   |  |
| #11   | 5003'  | 27   | 11383  | 11368  | 11353  | 11338  | 11323  | 11308  | 11293  | 11278  | 11263  | 11248   | 11233   |  |
| #10   | 5466'  |  |        |        |        |        |        |        |        |        |        |         |         |  |
| #9  | 5994'  |  |        |        |        |        |        |        |        |        |        |         |         |  |
| #8  | 6457'  | TUBULAR DATA                               |        |        |        |        |        |        |        |        |        |         |         |  |
| #7  | 6985'  | 2' & 4' 2-7/8" 6.5# L80 pup jts            |        |        |        |        |        |        |        |        |        |         |         |  |
| #6  | 7513'  | 310 jts - 2-7/8" 6.5# L80 tbg w/ GLVs      |        |        |        |        |        |        |        |        |        |         |         |  |
| #5  | 8037'  | 2-7/8" x 2-3/8" crossover                  |        |        |        |        |        |        |        |        |        |         |         |  |
| #4  | 8570'  | 5 jts - 2-3/8" 4.7# I80 tbg                |        |        |        |        |        |        |        |        |        |         |         |  |
| #3  | 9163'  | L-10 on/off tool with 1.875" nipple        |        |        |        |        |        |        |        | 10385' |        |         |         |  |
| #2  | 9757'  | Baker Hornet Packer                        |        |        |        |        |        |        |        | 10386' |        |         |         |  |
| #1  | 10220' | 4' x 2-3/8" pup jt                         |        |        |        |        |        |        |        |        |        |         |         |  |
|   |        | XN nipple (1.875" profile w/ 1.791" no-go) |        |        |        |        |        |        |        |        |        | 10397"  |         |  |
| Team Hanger/Packer w/ 20' Extention @ 10,242'                                 |        | 6' x 2-3/8" pup jt                         |        |        |        |        |        |        |        |        |        |         |         |  |
|   |        | Double disc sub                            |        |        |        |        |        |        |        |        |        | 10405'  |         |  |
| KOP @ 10,277'   |        |  |        |        |        |        |        |        |        |        |        |         |         |  |
|   |        |  |        |        |        |        |        |        |        |        |        |         |         |  |
| Max allowable LTP @ 11,230' MD  |        |  |        |        |        |        |        |        |        |        |        |         |         |  |
| 7", 29#, P110, TCBC-HT @ 11,220' MD 10,860' TVD -94' VS *Note well @ 289' FWL |        |  |        |        |        |        |        |        |        |        |        |         |         |  |
| 1st Stage: 454 sx Lead + 462 sx Tail  |        |  |        |        |        |        |        |        |        |        |        |         |         |  |
| 2nd Stage: 422 sx Lead + 114 sx Tail  |        |  |        |        |        |        |        |        |        |        |        |         |         |  |

4 1/2", 13.5#, P110, BPN Liner @ 16,210' MD 10,588' TVD

|             |        |
|-------------|--------|
| 6 1/8" Hole | 575 sx |
|-------------|--------|

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Orio Sleeve@ 16,077' (4748' VS)

TD @ 16,217' (4888' VS)

PBTD (FC) @ 16,124'