

**ATP Oil & Gas Corporation
Mississippi Canyon Block 942
OCS-G-24130 Well No A-003
(Formerly Well #002 ST01 BP00)
Proposed Completion Procedure**

WELL DATA

Water Depth: 4000'
 RKB to Mudline: 4145'
 Type well: Oil
 TD: 21,400' MD / 17,220' TVD
 Drive Pipe: 36" @ 4328' MD
 Cond: 28" 218# X-56 @ 4,784' MD
 Surface: 22" 224.2# X-80 @ 5,868' MD / 5,865' TVD
 Surface liner: 18" 94# X-80 @ 6,572' MD / 6,560' TVD, TOL @ 4,840' MD
 Surface liner: 16" 84# L-80 @ 8,650' MD / 8,338' TVD, TOL @ 4,749' MD
 Intermediate: 13 5/8" 88.2# HC Q125 @ 12,801' MD / 11,610' TVD
 Drilling liner: 11 3/4" 65# HCQ125 Hydril 513 @ 16,019' MD / 14,111' TVD, TOL @ 12,525' MD / 11,402' TVD
 Production liner: 7 5/8" 39# C-95 & C-110 @ 21,000' MD / 17,011' TVD, TOL @ 11,770' MD / 10,806' TVD
 5 1/2" 23# P-110 Hydril 521 liner top @ 20,700' / 16,854' tvd – PBTD @ ±21,220' MD / 17,133' TVD (Top of cement landing collar in 5-1/2" liner)
 Tubing: 4 1/2" / 12.75ppf / 13Cr-95 / BTS-8
 Tree: 13 5/8" 10K, Dril-Quip Surface Tree
 SCSSV: Schlumberger TRC-II-10 @ ±8,198' MD
 Proposed Perfs: "S" Sand (12 spf): 21,010' – 21,090' MD / 17,022' – 17,066' TVD
 (21 spf) Yellow C Sand: 17,650' – 17,730' MD / 15,183' – 15,230' TVD
 (21 spf) Yellow C Sand: 17,560' – 17,625' MD / 15,124' – 15,164' TVD
 (21 spf) Yellow B Sand: 17,410' – 17,480' MD / 15,030' – 15,074' TVD
 Completion Fluid: 13.3 ppg CaBr₂ brine
 Drill Pipe Data:

Size	Nominal Weight	Grade	Torsional Yield Strength	Tensile Yield Strength	Nominal ID	Burst Strength	Collapse Strength	Connection Type	Tool Joint OD	Tool Joint ID
inches	lbs/ft		ft-lbs	lbs	inches	psi	psi			
4.50 **	20.0	S-135	51,630	581,248	3.64	20,640	18,806	XT-43	5.250	3.00

** Values based on Premium pipe = 80% new

WELL STATUS

Well No. 002 was drilled to TD of 21,400' MD/ 17,220' TVD with a PBTD of 21,220'. The 7-5/8" production liner has been run and cemented. The 10-3/4" outer production riser has been run and the 7-5/8" tieback installed to surface. The wellbore has 13.3 ppg CaBr₂ for completion fluid. Platform A (ATP Titan) was installed 12/31/2009. Well name is changed to A003.

COMPLETION PROCEDURE

1. Test valves, lines, choke manifold and ram BOP's w/ 4-1/2" drillpipe to 250 / 6,300 psi and annular BOP to 250/3500 psi (14 day cycle); Test casing to 5,900 psi for 30 minutes (30 day cycle) as necessary.
2. Set sump packer at +/-21,100' with wireline setting tool.
3. RIH with TCP perforating assembly and perforate "S" Sand from 21,010' – 21,090' MD with 3-3/8" 12 spf TCP perforating gun. POOH.
4. Run gravel pack assembly and set packer at +/-20,877' MD.
5. Frac-Pack zone. POOH.
6. Run with isolation assembly, circulate packer fluid in annulus and set packer at +/-17,740' MD.
7. RIH with TCP perforating assembly with packer plug on bottom and set packet plug in Isolation packer at 17,740'.
8. Perforate Yellow "C" Sand from 17,650' – 17,730' and 17,560' – 17,625' MD with 4-5/8" 21 spf TCP perforating guns. POOH.
9. Make a cleanout run with cleanout assembly and retrieve packer plug. POOH.
10. Run gravel pack assembly and set packer at +/-17,490' MD.
11. Frac-Pack Yellow C zone. POOH.
12. RIH with TCP perforating assembly with packer plug on bottom and set packet plug in Isolation packer at 17,490'.
13. Perforate Yellow "B" Sand from 17,410' – 17,480' MD with 4-5/8" 21 spf TCP perforating guns. POOH.
14. Make a cleanout run with cleanout assembly and retrieve packer plug. POOH.
15. Run gravel pack assembly and set packer at +/-17,275' MD.
16. Frac-Pack Yellow B zone. POOH.
17. Run 4-1/2" production tubing assemblies with 4-1/2" 12.75# BTS-8 tubing.
18. Continue in hole with SCSSV, 2 DCIN injection mandrels, and gas lift valves.
19. Sting into packer at +/-17,275' MD and land hanger into wellhead.
20. Close SCSSV. Test tubing. Set a BPV, ND BOP's and NU tree. Pull BPV.
21. Test Tree, Open SCSSV.
22. RIH with Slickline and open the Yellow "C" sand sliding sleeves. Open well to clean up and unload the Yellow "C" sand. Clean up should require ±24 hours. Gas will be flared and liquid hydrocarbons will be contained for disposal onshore.
23. Catch 3 sets of samples during test and have sent to Oil Phase at the end of the cleanup.
24. If necessary, rig up 1 1/2" coil tubing equipment and jet well in with nitrogen.

25. RIH with Slickline and close the Yellow "C" sand sliding sleeves - POOH. Perform a pressure test on the sliding sleeves after closing them following the flowback to ensure isolation of the zones. The test must be to a minimum of 1000 psi for 15 minutes.
26. RIH with Slickline and open the Yellow "B" sand sliding sleeves.
27. Open well to clean up and unload the Yellow "B" sand. Clean up should require ±24 hours. Gas will be flared and liquid hydrocarbons will be contained for disposal onshore.
28. Catch 3 sets of samples during test and have sent to Oil Phase at the end of the cleanup
29. If necessary, rig up 1 ½" coil tubing equipment and jet well in with nitrogen.
30. RIH with Slickline and close the Yellow "B" sand sliding sleeves – POOH. Perform a pressure test on the sliding sleeves after closing them following the flowback to ensure isolation of the zones. The test must be to a minimum of 1000 psi for 15 minutes.
31. RIH with Slickline and open the "S" sand sliding sleeves.
32. Open well to clean up and unload the "S" sand. Clean up should require ±24 hours. Gas will be flared and liquid hydrocarbons will be contained for disposal onshore.
33. Catch 3 sets of samples during test and have sent to Oil Phase at the end of the cleanup
34. If necessary, rig up 1 ½" coil tubing equipment and jet well in with nitrogen.
35. Leave the "S" sand open for production.
36. Close the production wing valve and bullhead MeOH just below the SCSSV.
37. Finalize well and prepare for moving the rig to perform the MC 941 #A-2 recompletion.