

ATP OIL & GAS CORPORATION
GREEN CANYON BLOCK 300
OCS-G 22939 Well No. SS004 S.T. #5
API: 60-811-40450-07

PROPOSED COMPLETION PROCEDURE
Revised November 2, 2011

HISTORY:

This well was drilled in 2005 by Pioneer Natural Resources, Inc. using the Ocean America rig. The well encountered hydrocarbons in the C. Mac Oil Reservoir. Production casing was not run and cemented. The well was temporarily abandoned. ATP Oil & Gas Corporation purchased Pioneer's interest in the well. ATP has sidetracked the well to GC Block 300 to penetrate the C. Mac Oil Reservoir in an updip location. ATP proposes to complete the well using fracture stimulation as a single completion.

GENERAL INFORMATION:

36" Shoe:	3,852' MD (310' BML)
26" Shoe:	5,232' MD/TVD
20" Shoe:	7,316' MD/TVD
13 3/8" Shoe:	11,221' MD/TVD (Window Milled)
9 5/8" Shoe:	15,778' MD/15,534' TVD (TOL @ 10,847' MD/TVD)
RKB - ML:	3,534'
Water Depth:	3,456'
Completion Fluid:	12.7 ppg CaBr ₂ water

Tubulars:

Production Casing/Liner:

	<u>BURST</u>	<u>MAWHP</u>	<u>SF</u>
9 5/8", 53.5#, P-110, Hydril-513	10,900 psi	6,045 psi	1.80
9 5/8", 53.5#, P-110, Hydril-523			
	<u>Collapse</u>	<u>MACP</u>	<u>SF</u>
	7,950 psi	2,162	3.68

Production Tubing String:

	<u>BURST</u>	<u>MAWHP</u>	<u>SF</u>
4 1/2", 15. 5#, 13 Cr/95, BTS6	12,450 psi	6,045 psi	2.06
4 1/2", 12. 75#, 13 Cr/95, BTS8	10,010 psi	6,045 psi	1.65

Drill/Work String:

	<u>BURST</u>	<u>MASP</u>	<u>SF</u>
5", 19.5#, S-135, XTM-50	15,638 psi	4,914 psi	3.18

Flow Back String:

	<u>BURST</u>	<u>MASP</u>	<u>SF</u>
6 5/8" 32# P-110, HYD-563	13,800 psi	4,914 psi	2.81

BOP Test Pressures:

Ram Preventers: 250 psi (low) / 6,600 psi (high)

Annular Preventers: 250 psi (low) / 5,000 psi (high)

Proposed Perforated Intervals (*Reference Schlumberger log dated October 16, 2011*):

C. Mac Oil Sand 15,682' – 15,715' MD/15,444' – 15,475' TVD

CURRENT WELL STATUS:

Well has been drilled and a production liner set and cemented. A tieback string has been run and landed in the wellhead and a Cameron G-2 horizontal tree has been installed. Tieback casing and liner have been pressure tested both positive and negative. The fluid left in the well is 13.4 ppg SOBM.

ATP O&G proposes to complete this well using fracture stimulation in a single completion.

COMPLETION PROCEDURE:

1. Trip in hole to storm packer. Displace sea water to SOBM. Latch and retrieve storm packer. Circulate and condition mud.
2. Test casing and tree to 6,100 psi for thirty minutes and chart test.
3. Run CBL across liner, if necessary perform cement squeeze.
4. Pick up scrapers and brushes. TIH and clean tie-back casing and liner.

5. Displace mud to 12.7 ppg CaBr₂ completion fluid. Circulate, condition and filter with 12.7 ppg CaBr₂ completion brine.
6. Run in hole with sump packer assembly. Log on depth and set sump packer at +/- 15,723'. BHP is 9,859 psi. Zone will be perforated with a 351 psi overbalance or 12.7 ppg fluid.
7. RIH and perforate **C. Mac Oil Sand** from 15,682' – 15,715' MD/15,444' – 15,475' TVD with 21 SPF. POOH.
8. TIH with gravel pack assembly and set packer at +/- 15,468'. FracPack zone. Close sliding sleeves in concentric tubing and POOH.
9. Pick up Subsea Test Tree with 6 5/8" landing/flowback string and run Tubing Hanger and 4 1/2" production tubing as per Proposed Wellbore Schematic.
10. Land tubing seal assembly into packer at 15,468' and displace SafeTherm packer fluid into annulus, space out the tubing hanger and land tubing. Test tubing to 2,500 psi. Test annulus to 1,000 psi.
11. Close SCSSV and test to 1,000 psi.
12. Rig up and test surface equipment for clean up.
13. Open SCSSV.
14. Open zone to clean up. Clean up should require ±24 hours. Gas will be flared and liquid hydrocarbons will be contained for disposal onshore. PU pressure bomb on slickline and RIH to obtain BHP.
15. If necessary, rig up 1 1/2" coil tubing equipment. Test coil tubing BOP's with 7,000 psi and jet well in with nitrogen.
16. Close SCSSV, master valves and open wing valves and circulate through valves to flush running/flowback string until clean. Close and test tree valves. Release running tool from tree and recover running/flowback string and Subsea Test Tree. Set SSR plug and internal tree cap and test to 1,000 psi.
17. Rig down all completion equipment. Prepare to release rig.