

Lotos 'B' Federal No.1
South Sand Dunes Atoka
Recompletion Procedure

- 14,900'**
1. Abandon Morrow completion by setting CIBP @ ~~14,750'~~ and cap with 35' cement on top for PBSD = 14,715'.
 2. Load hole w/12 ppg mud.
 3. Perforate squeeze holes in 5-1/2" 23# P-110 liner @ 13,990' and 13,050'.
 4. Set cement retainer above lower set of squeeze holes @ 13,976'.
 5. TIH w/2-7/8" tbg and sting into cement retainer. Establish circulation through squeeze holes and behind 5-1/2" liner.
 6. Squeeze liner w/450 sxs Class H cement. TOH w/tbg. WOC.
 7. TIH w/4-1/2" bit, DC's on tbg. Clean out 5-1/2" liner to 13,970'. Test squeeze holes to 500# surface pressure.
 8. Displace mud out of hole w/2% KCL water containing corrosion inhibitor.
 9. TIH w/10K production packer on 2-7/8" 6.5# P105 tbg. Hydrotest tubing into hole w/nitrogen to 10,000#. Set packer @ 13,450'.
 10. Perforate South Sand Dunes Atoka w/2-1/8" thru tubing perforating guns at the following intervals:

13,940' - 13,954' (14', 28 Shots)
13,908' - 13,918' (10', 20 Shots)
13,577' - 13,602' (25', 50 Shots)
13,561' - 13,572' (11', 22 Shots)
Totals: 393' Gross, 60' Net, 120 Shots
 11. Flow/swab well in. Place on test.
 12. Acidize if required.