SALBAR 'ATQ' STATE #1-16 OPERATIONAL PLAN:
SET 5-1/2" CASING TO 12,730' T.D.
CEMENT 5-1/2" CASING INTO INTERMEDIATE CASING @ 4,275'.

5. Hold Safety meeting.
   The 1st stage cement job should bring complete cement coverage to the stage tool.
   The 2nd stage cement job should bring cement coverage into the intermediate casing set @ 4,275' to approx. 3,900'. Use calipered hole volumes for calculating cement fill-up with a 3% excess on the 1st Stage and a 6% excess on the 2nd stage.
   Rig Up Halliburton Services to cement the casing as follows:

   1st Stage: Mix & pump 10 Bbl. 2% KCl water spacer foll/ w/
   12 Bbl. Super Flush 102 Spacer containing 2% KCl & foll/ w/
   25 sx. Interfill 'H' Lead Cement Slurry containing 2% KCl
   Yield= 3.00 cu.ft./sx. @ 11.5 PPG & foll/ w/ Batch-Mixed
   640 sx. 50/50 Pozmix Class 'H' Tail Cement Slurry containing
   0.6% Halad-9 + 5#/sx. Micro-Bond + 2#/sx. KCl
   Yield=1.33 cu.ft./sx. @ 14.25 PPG.
   Drop the top latch-down plug.
   Displace w/ 80 Bbl. Fresh water foll/ w/ 217 Bbl of mud.
   Slow down to 1.5 BPM when the top plug passes thru the Stage Tool.
   Bump the plug or pump until the displacement pressure declines.
   DO NOT OVERDISPLACE BY MORE THAN 5 BBL. VOLUME.
   Press. To 500 PSI over final displacement & hold 5 min.
   Release & check floats.

   OPEN THE STAGE CEMENTING TOOL HYDRAULICALLY IF THE FLOATS HELD OR DROP THE OPENING BOMB. Monitor f/ cement returns.
   After the stage tool opens then circulate for 6 hours or until tail slurry samples set up (obtain 5 wet tail slurry samples & dry sample).

   2nd Stage: Mix & pump 10 Bbl. 2% KCl water spacer foll/ w/
   315 sx. Interfill 'H' Lead Cement Slurry
   Yield= 2.79 cu.ft./sx. @ 11.5 PPG & foll/ w/ Batch-Mixed
   200 sx. 50/50 Pozmix Class 'H' Tail Cement Slurry
   Yield=1.23 cu.ft./sx. @ 14.4 PPG.
   Drop the closing plug.
   Displace w/ 217 Bbl of mud.
   Bump the plug & close the tool.
   Press. To 500 PSI over final displacement press. & hold f/ 5 min.
   Check floats & watch f/ 30 min. Monitor returns f/ cement.
   SI the casing until the Tail samples set IF the stage tool will not close hold.

6. After the well is secure then raise the Blow-Out preventers.
   Set the 5-1/2" casing slips with the as-cemented string weight.
   Cut-off the 5-1/2" casing & lay down the preventer.
   Make a finish cut & install the secondary seal.
   Test the B section to the recommended pressure based on theas-cemented casing load.
   Install the 'C' Section. Install a ported & valved blind flange to cover the hole.

7. Jet the pits & release the drilling rig. Release all rental equipment.
   Clean-up the location in preparation to complete the well in the Strawn Formation.

PREPARE A DETAILED FACILITY PLAN AND COMPLETION OPERATIONS PLAN.
Submit these plans to the City of Lovington for their review and approval.

R.A. Schwering, P.E.
Operations Manager: SE NM