- If ball-off occurs, hold press on formation for 15 mins. Surge balls off and pump remainder of job.
- Max surf press should be held below 4000 psi. d.
- 7. SWI for 30 min. Bleed off press and release pkr. TIH w/pkr to wipe any remaining balls off of perfs and TOH.
- Frac Gallup perfs f/5858-5980' down 7" casing with approx. 100,000 gal gelled fluid and 150,000 lbs of sand. Flush to top perf w/2% KCl wtr. 8. SDON to allow gels to break.
 - Notes: a. Actual volumes and additives will be specified by engineering.
 - b. Maximum surface pressure should be held below 4000 psi.
- 9. TIH w/Baker 7" Model "C" RBP on 2-3/8" tbg to & set @ **** Press tst RBP to 2000 psi & TOH. ND BOPE & tbg head. NU new tbg head as per the attached diagram. NU BOPE w/7-1/16" 3000 psi x 7-1/16" 5000 psi DSA. Press test tbghd flange & pack-off to 3000 psi w/10 w/oil. Press test csg & BOP to 2000 psi. Retrieve Model "C" RBP.
- 10. TIH with 2-7/8" notched collar, cross over sub & 2-3/8" SSN on 2-3/8" tbg and land tbg @ 5850' +. Swab to clean up sand.
 - a. Check swab samples carefully for sand production. Notes:
 - TIH w/tbg every day or two to check sand fill. **b**•
 - Swab well until it flows or it is apparent that no sand is entering the wellbore.
- 11. TIH w/hydrostatic bailer. Clean out sand to RBP @ 6200'. TIH w/BP retrieving head. POH w/RBP.
- 12. TIH w/Dakota production assembly as follows:
 - 2-3/8" shear out plug

 - B. 1 jt 2-3/8" prod tbgC. 1.81" "F" Nipple ±560' 2-3/8", 4.7, J-55, 8rd tbg w/turned down & beveled couplings D.
 - Model AL-5 dual hydrostatic pkr.
 - ±6000' 2-3/8", 4.7#, J-55, 8rd tbg w/turned down & beveled couplings
 - Set dual pkr @ ±6000'. Btm long string @ ±6600'.
- 13. TIH w/Gallup production assembly as follows:
 - A. Model "K" parallel anchor w/straight pull release
 - B. Perforated nipple
 - 2-3/8" seating nipple
 - D. ±5970' 2-3/8", 4.7#, J-55 8rd tbg w/turned down & beveled couplings.

Latch into pkr @ 6000'. Land w/15,000# tension.

- 14. ND BOP. NU dual tree as shown in attached diagram.
- 15. Kick-off Dakota. SI Gallup side for pmpg unit installation. TOPS.

LOX 9/9/86 TOT MT GA/2c 9/0/L