

LEASE Tapp
WELL NO. 21

9-5/8 "OD, 36 LB, K-55 CSG.W/ 200 SX
TOC @ Surface
7 "OD, 23 LB, K-55 CSG.W/ 700 SX
TOC @ -
4-1/2 "OD, 10.5 LB, K-55 CSG.W/ 423 SX
TOC @ -

DETAILED PROCEDURE

1. MIRUSU. Kill well w/1% KCl wtr.
 2. Remove WH. Install BOP. POOH w/tbg.
 3. Set Model F pkr w/expendable plug @6530'
 4. Test csg to 3000 psi.
 5. Perforate Dakota A w/2 JSPF: 6485-93' using 3-1/8" gun.
 6. Breakdown perfs w/water.
 7. Frac Dakota A w/30# XL gelled 1% KCl water @ = 10 BPM as follows:
 - 500 gal 15% HCl pre pad
 - 10,000 gal pad
 - 10,000 gal 1#/gal 20/40 sd
 - 10,000 gal 2#/gal 20/40 sd
 - 4,300 gal flush
 8. RIH w/open-ended tbq & S/N.
 9. CO to 6530' w/foam.
 10. Land tbq @ = 6450'. Remove BOP. Install WH.
 11. Kick well around w/N₂.
 12. Flow to cleanup. RDMOSU.
 13. Test Dakota A.
 14. MIRUSU. Kill well w/1% KCl water.
 15. Remove WH. Install BOP. POOH w/tbg.
 16. RIH w/prod tube, seal assembly, sliding sleeve, F nipple & tbq. Knock out expendable plug.
- ~~If Dakota A is nonproductive~~
17. Land tbq @6430'
18. Remove BOP. Install WH.
19. Kick well around w/N₂.
20. Flow to cleanup
21. RDMOSU
22. Test
23. Put well on line
- ~~If Dakota A is Nonproductive~~
~~17. Land tbq in Model F pkr~~
~~18. Remove BOP~~
~~19. Install wellhead~~
~~20. Swap well in & flow to cleanup~~
~~21. RDMOSU~~
~~22. Put well on line.~~

