

CARNAHAN COM #1
PC/FRUITLAND RECOMPLETION PROCEDURE

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ABANDON MESA VERDE

- 1.) MIRU. POOH w/rods. POOH w/tbg.
- 2.) Pick up additional tbg & RIH to 5730'. Spot 25 sx plug across Gallup top from 5730' to 5415'. Pull to 3830'. Spot 25 sx plug across MV perfs and top to 3515'. WOC. Tag cmt. Press test csg to 2500 psi.

PICTURED CLIFF COMPLETION

- 3.) Swab Fluid level down to 2100'. Dump 1.6 bbls clean water to fill hole to \pm 2000'. POOH w/tbg.
- 4.) RU Wireline. Run GR-Bond Log. Perforate 2053'-2073' w/2 SPF at 120'. Flow briefly. SI overnight. Record surface pressure and fluid level. If no inflow, RIH w/4 1/2" pkr. Breakdown. Swab back immediately. SI and record surface pressure and fluid level.
- 5.) If not depleted, frac well with \pm 60,000# 20/40 sand and 70 Q X-link foam with procedure supplied at a later date.
- 6.) Flow back and test for 48 hours minimum or until rate stabilized. SI for pressure buildup. Depending on quality of shut-in pressure from step four, consider running pressure bomb and 48 hour buildup.

FRUITLAND COAL COMPLETION

- 7.) POOH w/tbg. Wireline set RBP @ 2045'. Perforate main coal 2012'-2037' w/4 SPF (60 holes total).
- 8.) Frac well with 100,000# sand and 70 Q X-link foam with procedure supplied at a later date.
- 9.) Flow back and test 48 hours minimum or until rate stabilized.

FINAL COMPLETION

- 10.) RIH w/ tbg. Clean out sand with N₂. Pull RBP.
- 11.) RIH w/ mud anchor, perfed sub, and seating nipple on tbg. Land tbg. below PC perfs. RIH w/ rods and pump. NU wellhead. Rig Down.

Approved _____

Date _____