

- 1.) MIRU pulling unit. NU BOP. TIH w/ 6 1/4" RB on 2 7/8" tubing and tag PBDT of 3609'. TOOH w/ RB and tbg.
- 2.) RU Black Warrior WL and run GR/N log. Perforate Queen (3439'- 3574') w/ premium shots 1 JSPF at the following depths: 3439' - 3442', 3508' - 3519', 3534' - 3547', 3560' - 3564', 3570' - 3574'. Total of 40 shots. Depth reference log Western Gammatron Log. (See attached strip log)
- 3.) RIH w/ PPI pkr on 2 7/8" tubing. RU Charger, Set pkr @ each interval of perfs and break down perfs w/ 20 gals of 15% Ne Fe HCl. PU on pkr to  $\pm$  3360' and pump away remainder of acid for a total of 3000 gals. Flush w/ 2% KCl wtr. Swab back load.
- 4.) TOOH w/ pkr and tbg. TIH w/ PC Guiberson G-6 pkr on 2 7/8" FG lined tbg. Circ hole w/ pkr fluid, and set pkr @  $\pm$  3360'. ND BOP, NU WH. Pressure test annulus to 500# and cut 30 min chart for BLM.

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