

Run Liner
Koenig-Ashby #3
API #: 05-075-06160
629' FSL & 2310' FWL, L5NW 3-8N-54W
Logan County, CO, Yenter Field
40.69747, -103.40152

Procedure:

1. File Form 42 48 hrs prior to MIRU (Engr to complete)
2. Notify COGCC inspector 24 hrs prior to MIRU (Kym Schure – 970-520-3832)
3. MIRU WSU
4. Unload & clean/drift/tally 4-1/2" 11.6# P110 FL4S liner
5. POOH w/ rods. NU BOP & POOH w/ tbg
6. MU RBP retrieval tool & RIH. Latch/release RBG, POOH & LD same.
7. PU 4-3/4" bit & scraper for 5-1/2" 15.50#. RIH t/ 5,200'
8. Circulate hole clean & POOH.
9. MU composite bridge plug & RIH. Set @ +/- 5192'.
10. RU casing crew & run 4-1/2" 11.6# P110 FL4S liner as follows (btm to top):
 - a. Shoe joint – cut-off pin & mule shoe
 - b. Jt #'s 2-10 – tac-weld connections
 - c. Run remaining csg as needed to set btm of liner @ +/- 5,182'
 - d. MU SPECS:
 - i. Min Torque = 2,300 ft-lbs
 - ii. Max Torque = 3,100 ft-lbs
 - e. Detailed make-up and running procedures for FL4S attached
11. RU cement equipment & orbit/ball valve on 4-1/2". Break circulation down 4-1/2" X 5-1/2" annulus & pump the following slurry:

Class	A	
Weight	14.0	lb/gal
Yield	1.54	ft^3/sk
Mix Water	7.8	gal/sk
Total Vol	100	sx
Additives	Retarder (as needed)	

12. Attempt to squeeze leaks in 5-1/2" csg at end of job.
13. Shut valve on 4-1/2" & WOC overnight
14. Dress wellhead as necessary to accommodate 4-1/2" liner. Ensure access to 4-1/2" X 5-1/2" annulus for monitoring per COGCC
15. Load hole & perform MIT t/ 500# for 15 min. (notify state prior to MIT)
16. PU 3-7/8" bit & RIH. Drill out plug, chase to btm & circulate hole clean.
17. RU WL & run CBL
18. RIH w/ 2-7/8" production tubing. Plan to set EOT @ +/- 5,185', TAC 5 jts above pump bbl
19. RIH w/ plunger & rods. Space out & hang on. Load tbg & test.
20. RDMO WSU.