

West Loco Hills Unit #1-5
Unit K, 1650' FSL & 1650' FWL
Sec 7-T18S-R30E NMPM
Loco Hills Field

Casing:

8 5/8"	@500'	50sx
7"	@2690'	100sx
4 1/2"	f/ 2620' - 2796'	sqz from top
2 3/8" tubing w/ 2 1/2" injection packer	@2168'	
Perfs:	OH f/ 2796' - 2832'	

Formation Tops:

Top Salt	425'
Base Salt	1140'
Top Queen	2314'
Base Queen	2330'

Note: Mud (min 25# gel per 1bbl water) is to be placed between all plugs.

Propose to TA Note: notify BLM & NMOCD prior to plugging

1. MIRUPU. POOH w/ tubing and packer.
2. RIH w/ bit and scraper on tubing and clean-out to TOL. POOH.
3. Run cement bond log to determine TOC.
4. GIH w/ 4 1/2" CIBP and set @ 2650'. Dump 80' of cement on top of plug.
5. If TOC is not above the top of Queen (2314'), GIH w/ perf gun and perf 4 holes @ 2314'. POOH w/ perf gun. GIH w/ cmnt. retainer on 2 3/8" tubing and set CR @ 2264'. Squeeze Queen w/ 50 sx Class "C" w/ 2% CaCl₂. Dump 35' of cement on CR. POOH.
6. If TOC is above the Queen, spot a 25 sx plug across the Queen with the bottom of the plug at 2350'. Pull up and WOC. Tag plug @ 2214' or higher. POOH.
7. RIH w/ RBP and packer and locate holes (expected to be at 784').
8. If holes are above the base of the salt (1140') and TOC (from bond log) is not above the base of the salt, GIH w/ perf gun and perf 4 holes @ 1140'. POOH w/ perf gun. GIH w/ cmnt. retainer on 2 3/8" tubing and set CR @ 1090'. Squeeze Base of Salt w/ 50 sx Class "C" w/ 2% CaCl₂. Dump 35' of cement on CR. POOH.
9. If possible, repair remaining holes in casing and pressure test casing to 500 psi. Install pressure monitoring gauge. Move out PU.
10. If holes cannot be repaired, prepare to P&A the well as follows.
11. Cut and pull 7" casing @ 500'.
12. GIH w/ cmnt. retainer on 2 3/8" tubing and set CR @ 450'. Squeeze Top of Salt w/ 50 sx Class "C" w/ 2% CaCl₂. Dump 35' of cement on CR. POOH.
13. Pressure test 8 5/8" to 500 psi.
14. If casing tests, RIH w/ perf gun & perforate 4 holes @ 250'. Attempt to circulate. If casing does not test, RIH w/ packer & locate holes.
15. Attempt to establish circulation down casing. After circulation is established, pump 50-100 sx Class C, leave 100' of cement in casing. WOC. If circulation is not established, Pump 50 sx Class C out of holes & leave 100' of cement in casing. WOC.
16. RIH & tag plug @150' or higher.
17. Cement abandonment marker w/ 15 sx plug (at least 50').