

UPRR 43 Pan Am Q #1

1. Provide 24 hour notice of MIRU to Mike Hickey via e-mail at mike.hickey@state.co.us
2. MIRU WO rig. MI 248 jts of 2- 3/8" N-80 workstring to P&A well. Last tag was 7908' KB on 6/05/2000 w/ Wireline. Kill well, as necessary, with water containing biocide. ND wellhead. NU BOP's. Unseat landing joint and lay down.
3. Place cement services on will call when rig moves on location, providing expected volumes of cement needed. (~125 sx plug #1; ~145 sx plug #2; ~35 sx plug #3)
4. PU tbg, TOO, lay down tubing and send to A&W yard to be EMI in yard. Do not exceed safety tensile load of 57K lbs.
5. MIRU Wireline services. PU 4- 1/2" gauge ring & RIH to 7834' to confirm no restrictions. POOH and lay down gauge ring.
6. PU 4- 1/2" CIBP and cement bailer, RIH to 7824'. Set CIBP @ 7824', and dump 2 sx of cement on top of CIBP. POOH.
7. PU 2- 3/8" N-80 workstring and TIH open ended to cement cap on CIBP (~7799'). Pump 46 bbl of drilling mud from 7799' to 4913'. TOO and stand back working string.
8. ND BOP's ND tubing head. Unland casing from slips and work casing. Relax casing and stretch to find approximate free point. RIH with jet cutter to cut casing ~100' above calculated TOC. Estimated TOC @ 4478'. RDMO wireline services
9. PU 4- 1/2" csg and establish circulation up annulus, and circulate 600bbl. If no circulation notify engineer. If unable to pull csg notify engineer/COGCC for modification. TOO & lay down 4- 1/2" csg keeping hole full.
10. TIH w/ 2- 3/8" N-80 working string open ended into csg stub to 4913', MIRU cementing services. Mix and pump 125 sx of class "G" neat cement plug (yield 1.15 ft³/sx, ~25 bbl). Pump (4913'-4598') 5 bbl, displace 19 bbl, PUH 10 jts (~315'). Pump (4598'-4278') 20 bbl, displace 17.5 bbl. PUH 12 jts (~375') and circulate hole to remove any cement (~625 bbl). RDMO cementing services. TOO with work string. WOC 4 hrs or overnight.
11. TIH with 2- 3/8" N-80 work string open ended and tag cement (**NOTE TAG DEPTH IN OPENWELLS**), PUH 10', pump 551 bbl drilling mud (4278'-931'), PUH to 931'.
12. MIRU cementing services. Mix and pump 145 sx class "G" neat cement plug (yield 1.15 ft³/sk, ~29.5 bbl), displace 3.5 bbl, PU 12 jts (~375'), Circulate hole to remove any cement (~40 bbl) RDMO cementing services. TOO with work string. WOC 4 hrs or overnight.
13. TIH with 2- 3/8" N-80 work string open ended and tag cement (**NOTE TAG DEPTH IN OPENWELLS**), PUH 10', pump 33 bbl of drilling mud, PUH to 116'
14. MIRU cementing services. Mix and pump 35 sx class "G" neat cement plug (yield 1.15 ft³/sx, ~6.5 bbl). TOO and LD tubing, RDMO cementing services.
15. Dig down and cut off surface casing head and surface casing at least 5' below ground level. If cement did not make it to surface, use 4500 psi compressive strength redi-mix cement to fill remaining casing to surface.
16. Weld steel plate across top of surface casing cut off
17. Cover steel plate and backfill hole with native material removed

18. RDMO WO rig.
19. Properly abandon flowlines per Rule 1103.
20. Submit Form 6 to COGCC. Provide "As Plugged" wellbore diagram identifying the specific plugging completed.

The Upr 43 Pan Am Q #1 has been a low producer for a while, losing money operationally for the past couple years. A fish was lost and parted in the hole 29' below the CD in 1995 in an attempt to commingle the CD and JS. The fish was left downhole and the well has remained CD only since the issue.

Call foreman or Lead Operator before rig up to isolate production equipment. Catch and remove plunger. Call 24 hours prior to the rig moving onto the location so that any automation equipment can be removed prior to the rig showing up. Install fence if needed.

2 3/8" 4.7# Tbg = 0.41 BBL/100' ID=1.995" Collapse=8100 psi; Burst=7700 psi; Yield (80%)=57,400 lb

Annulus = 1.01 BBL/100'

4 1/2" 11.6# Csg = 1.55 BBL/100' ID=4.000" Drift=3.875"
Collapse=4960 psi; Burst=5350 psi