

ConocoPhillips
UTE 32-11 231
Expense - P&A

Lat 37° 0' 21.708" N

Long 108° 0' 58.068" W

PROCEDURE

This project requires a COGCC C-144 CLEZ Closed-Loop System Permit for the use of an A-Plus steel tank to handle waste fluids circulated from the well and cement wash up.

1. Hold pre-job safety meeting. Comply with all COGCC, BLM, and COPC safety and environmental regulations. Test rig anchors prior to moving in rig.
2. MIRU work over rig. Check casing, tubing, and bradenhead pressures and record them in Wellview.
3. When an existing primary valve (i.e. casing valve) is to be used, the existing piping should be removed and replaced with the appropriate piping for the intended operation.
4. RU blow lines from casing valves and begin blowing down casing pressure. Kill well with water, as necessary, and at least pump tubing capacity of water down tubing. Unseat pump prior to pumping water down on tubing.
5. TOOH with rods and LD.
6. ND wellhead and NU BOPE. Pressure and function test BOP. PU and remove tubing hanger.
7. TOOH with tubing (per pertinent data sheet).

Rods:	Yes	Size:	3/4"	Length:	2906'
Tubing:	Yes	Size:	2-3/8"	Length:	2941'

8. PU watermelon mill and 2-3/8" tubing. Round trip mill to 2607' or as deep as possible. TOOH and LD casing scraper
9. PU and RIH with CR for 7" 20# K-55 casing and set 10' above top of liner @ 2597'.
10. Load 7" casing, pressure test tubing to 1000 psi and pressure test casing to 800 psi. If casing does not test, then spot or tag subsequent plugs as appropriate. Run CBL from 2597' to surface.

All cement volumes use 100% excess outside pipe and 50' excess inside pipe. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement will be ASTM Type II mixed at 15.6 ppg with a 1.18 cf/sk yield.

11. Plug 1 (Formation Top and Open Hole, Intermediate Casing Shoe and Liner Top, 2497-2597', 29 Sacks Class B Cement)

NOTE: CR is already set @2957'. Mix 29 sx of Class B cement and spot plug inside casing to isolate the Intermediate Casing Shoe, Liner Top, Fruitland Formation Top and Open Hole. PUH

12. Plug 2 (Kirtland and Ojo Alamo Formation Tops, 1260-1484', 53 Sacks Class B Cement)

Mix 53 sx Class B cement and spot balance plug inside casing to isolate the Kirtland and Ojo Alamo Formation Tops. POOH.

13. Plug 3 (Surface Casing Shoe and Surface Plug, 0-269', 62 Sacks Class B Cement)

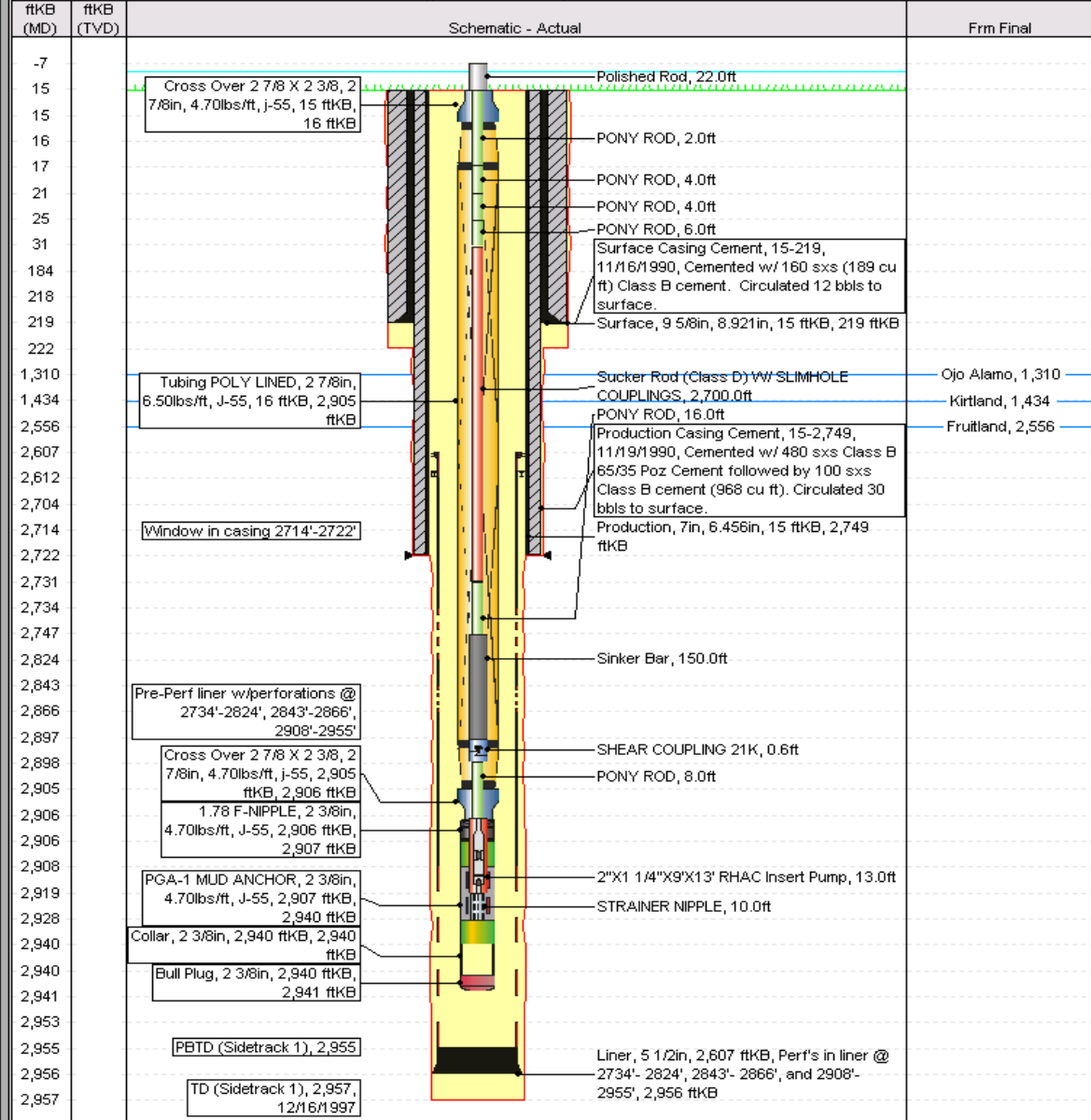
Attempt to pressure test the bradenhead annulus to 300 PSI; note the volume to load. If the BH annulus holds pressure, then establish circulation out casing valve with water. Mix 62 sx cement and spot a balanced plug inside casing from 269' to surface, circulate good cement out casing valve. TOH and LD tubing. Shut well in and WOC. If the BH annulus does not test, perforate at the appropriate depth and attempt to circulate cement to surface filling the casing from 269' and the annulus from the squeeze holes to surface. Shut in well and WOC.

14. Nipple down BOP and cut off casing below the casing flange. Install P&A marker with cement to comply with regulations. Rig down, move off location, cut off anchors, and restore location.

Current Schematic

API/UMI 0506707711	Surface Legal Location 1825 F.M., 1826 F.M., 29-0224-01 W	Field Name GRANCO BLANCO (E. RUTLAND 2007)	License No.	State/Province COLORADO	Well Configuration Type Edit
Ground Elevation (ft) 6,432.00	Original KB/RT Elevation (ft) 6,447.00	KB-Ground Distance (ft) 15.00	KB-Casing Flange Distance (ft) 6,447.00	KB-Tubing Hanger Distance (ft) 6,447.00	

Well Config: - Sidetrack 1, 11/19/2012 8:38:16 AM



Proposed Schematic

