



Nichols 0994-24-16E – Plugback/Sidetrack Procedure
H&P 290
Mesa County, Colorado

Well Information

Well: Nichols 0994-24-16E

API: 05-077-10400

KB Elevation: 7236'

GL Elevation: 7212'

Surface Casing: 8-5/8" 28# J-55 @ 1550'

Original Hole TD: 4667'

Planned Sidetrack Depth: 1800'

Sidetrack TD: 7837'

Plug #1: 2320'-2070'

Plug #2: 2050'-1550'

Fish: 2325'-4667'

Procedure:

1. PU ~950' of 2-7/8" tubing stinger with diverter on the end.
2. MU cross over to 4-1/2" DP and TIH to set depth of plug #1 at 2320' above fish.
3. Establish circulation and ensure there are no packoff concerns and full circulation.
4. RU cementers and test lines. Pump abandonment plug #1 from 2320'-2070'
 - a. 37bbls of 11ppg CD Spacer
 - b. 88sacks of 15.8ppg Neat G cement at 1.15ft³/sk – 18bbls @ 20% XS
 - c. 5bbls of 11ppg CD spacer behind
 - d. Displace with 18.2bbls of mud (cut displacement shy by a barrel or two to pull dry)
5. Slowly pull out of plug at 30fpm to 2050'. Circulate cement out down DP.
6. Establish circulation and ensure pipe movement is free prior to pumping cement.
7. Pump kick off plug #2 from 2050'-1550'.
 - a. 18.5bbls of 11ppg CD Spacer
 - b. 273sacks of 17.0ppg Class G cement at 0.99ft³/sk – 48bbls @ 60% XS
 - c. 5bbls of 11ppg CD spacer behind
 - d. Displace with 11.3bbls of mud (cut displacement shy by a barrel or two to pull dry)
8. Slowly pull out of plug at 30fpm to ~500' above planned top. Circulate cement out down DP.
9. LD tubing string.
10. PU directional tools and WOC for 10hrs prior to tagging plug.
11. TIH and tag plug. Begin attempting sidetrack as soon bit is 50' out of surface shoe as per approved sidetrack directional plan.