Anadarko Petroleum Corporation

Platte 29-2 – Bradenhead

1 Well already has directional survey.
2 Call Wattenberg IOC (970-506-5980) at least 24 hrs prior to rig move. If not already completed, request that they catch and remove plunger, isolate production equipment and remove any automation equipment prior to the rig showing up. Install perimeter fence as needed.
3 MIRU SL. Fish plunger if necessary and tag PBMD (should be 7346'). Inform engineer of tag depth.
4 Prepare location for base beam rig.
5 Spot 25 jts of 2-3/8" 4.7# J-55 8RD EUE tbg.
6 Tbg head needs to be rated to 5000 psi. Ensure all valves, fittings, and plugs on tbg head are rated to 5000 psi. If new tbg head is needed, follow change out specifications in Step 20.
7 MIRU WO rig. Kill well with fresh water and biocide. ND WH, NU BOP.
8 PU tbg to break any possible sand bridges. Do not exceed 80% of tubing tensile strength, or 57,384 lb. LD landing jt.
9 Unseat tbg hanger. Install rubber wiper in stripping head.
10 MIRU EMI equipment. TOOH with 2-3/8" tbg. EMI tbg while TOOH. Lay down jts with wall loss or penetrations >35%. Replace jts as necessary. Keep yellow and blue band tbg. Note jt number and depth of tubing leak(s) on production equipment failure report in OpenWells. Clearly mark all junk (red band) tbg sent to yard.
11 RIH on WL with 5.5" RBP (5.5" 17# I-80). Set RBP at +/- 6850' (Collars at 6825' and 6870'). POOH and pressure test RBP to 1000 psi for 15 minutes. If pressure test passes, ND lubricator.
12 ND BOP, ND tbg head. Install 5.5" 7.5k frac valve on 5.5" csg. Dump bail 2 sx sand on top of RBP. POOH.
13 NU lubricator, PU with one 3-1/8", 1' perf gun (3 spf, 0.58", 120 deg phasing) and CCL. RIH to +/- 1500' (use CCL to avoid collars) and perf 1' of csg.
14 POOH with perf gun. RDMO WL.
15 Circulate and condition hole with ~145 bbls of water with rig pump (1.5x csg volume plus annular volume from 1500'), or until well is completely dead.
16 Run sweeps with 40 bbls of 10 ppg mud to make sure backside of well is dead. SI well for 30 min to ensure no gas is present. If gas is found, contact engineering to discuss plan.
17 MIRU cement company. NU cement head with wiper plug configuration. Commence pumping cement job consisting of 10 bbl fresh water, 10 bbl mud flush, and 10 bbl fresh water, followed with 180 sx of Type III cement with ¼ lb/sk cello-flake mixed at 14.8 ppg and 1.33 cf/sk blended for a 3 hr pump time. (cement from 1500' to 626').

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18 Drop wiper plug and pump 2 bbl of cement on top of wiper plug followed with 33 bbl fresh water. NOTE: Displace wiper plug to within no more than 100' of perfs. Note final displacement pressure, SI 5.5" frac valve.

19 ND cementing head and RDMO cement company. Leave well SI overnight with final displacement pressure on wiper plug.

20 ND 5.5" frac valve. If tbg head is not as described, install new GE 5000 psi 4-1/2" bottom threaded tbg head with 7-1/16" flanged top, 7-1/16" flanged 5000 psi tbg head adaptor with 2-1/16" studded top, 2-1/16" flanged 5000 psi master valve, flanged 5000 psi 2-3/8" plunger lubricator (side outlets threaded). All valves, fittings, plugs on well head need to be rated for 5000 psi. NU BOP.

21 PU 4-3/4" blade bit and TIH with 2-3/8" tbg, RU power swivel. Tag cement and mill until past squeeze holes at +/- 1500'. TOOH.

22 Close blind rams and pressure test squeeze holes to 1000 psi for 15 min. If pressure holds, proceed.

23 MIRU WL and run CCL-GR-CBL-VDL from 1700' to surface (cement should be from +/- 1500' to 626'). If Fox Hills plug is not above 626', contact engineering for further instructions. Email logs to engineering and DJVendors@anadarko.com. RDMO WL.

24 PU and TIH with 2-3/8" tbg and retrieving head to tag sand above RBP at +/- 6870'. Circulate sand off RBP, latch onto RBP and TOOH. SB tbg, LD RBP.

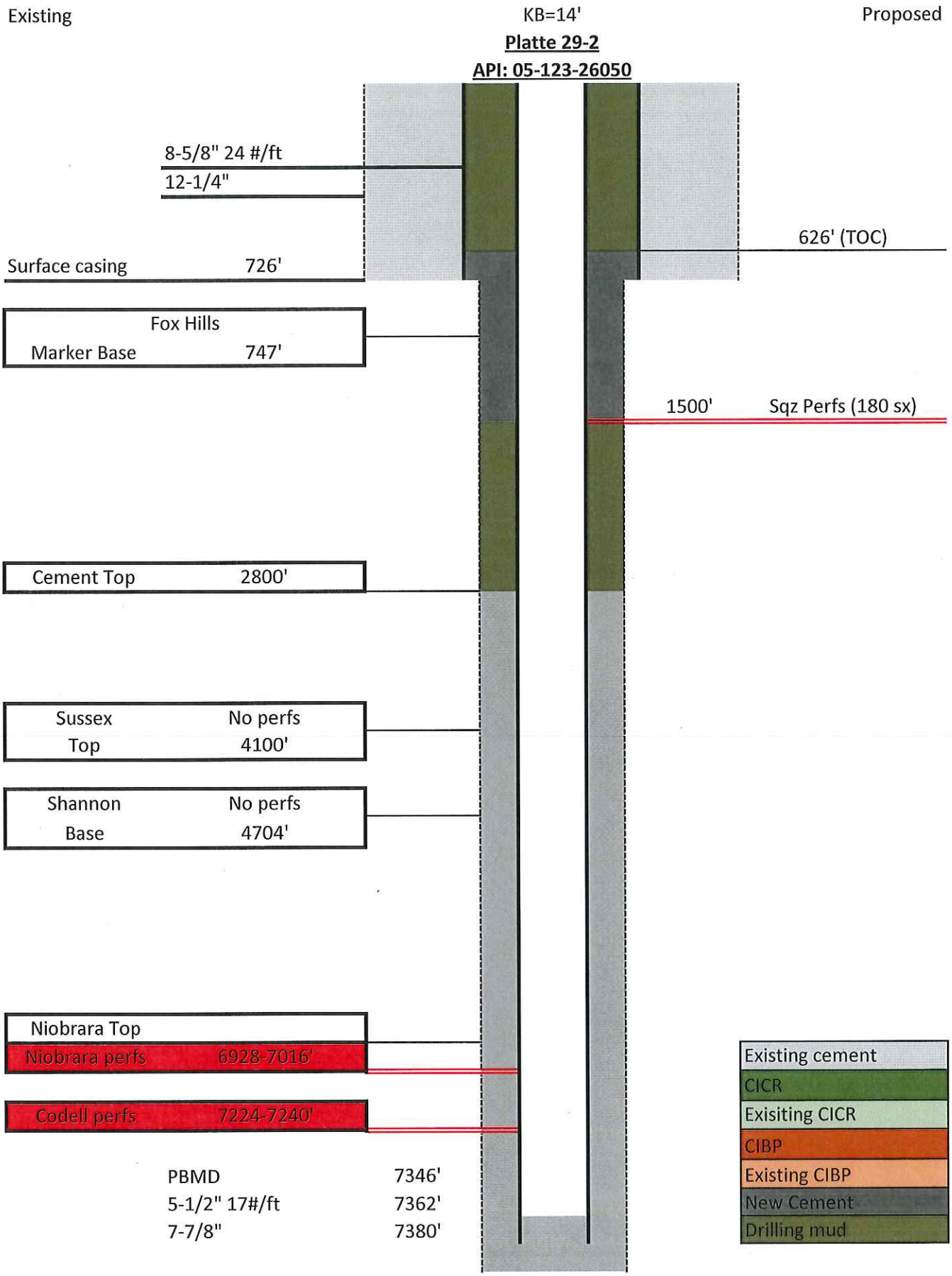
25 MIRU hydrotester. PU and TIH with 2-3/8" NC, 2-3/8" XN, and 228 jts 2-3/8" tbg while hydrotesting tbg to 6000 psi. If necessary, drop down with extra jts and circulate to cleanout sand. Land end of tbg at +/- 7199' (1 jt above top Codell perf).

26 ND BOP, NU WH.

27 GE should pressure test tbg head through test port on side of tbg head adaptor flange to 5000 psi for 15 mins.

28 RMDO WO rig. Return well to production team.

29 Clean location and swab well back to production. Notify field foreman/field coordinator of finished work and turn well back over to production team.


Existing
KB=14'
Proposed
Platte 29-2
API: 05-123-26050
8-5/8" 24 #/ft
12-1/4"
626' (TOC)
Surface casing 726'
Fox Hills
Marker Base 747'
1500' Sqz Perfs (180 sx)
Cement Top 2800'
Sussex No perfs
Top 4100'
Shannon No perfs
Base 4704'
Niobrara Top
Niobrara perfs 6928-7016'
Codell perfs 7224-7240'
PBMD 7346'
5-1/2" 17#/ft 7362'
7-7/8" 7380'
Existing cement
CICR
Exisiting CICR
CIBP
Existing CIBP
New Cement
Drilling mud