

9/24/2006

CDU #133

Note: Obstruction in injection tbg ~31' from surface. Plan to set 2 3/8" Liner to utilize as injection string.

Procedure

1. Need NMOCD approval for running and cementing 2 3/8" tbg/liner in place.
2. Verify w/ NMOCD the exact conditions needed for cementing behind the 5 1/2" across the SA to meet the needs for the approval for the new drill Rice SWD.
3. RU pump truck.
4. Load and test backside to 500# to verify old squeeze perfs in Blinbry and Tubb are holding.
5. Verify injection rate and pressure into Drinkard Oil Zone. Attempt to backflow to make sure we are moving fluid. Suspect tight spot in the tbg. Pumping down the tbg will help verify the tbg is not plugged off.
6. Verify what equipment is in the hole with the well file in Eunice NM office. Discuss w/ OS, ALR and pumpers prior to RU regarding any unknown issues about this well.
7. MIRU PU and RU.
8. Kill well as needed.
9. Release 5 1/2" injection packer and TOH w/ 2 3/8" injection tbg and packer, LD.
10. TIH w/ 4 3/4" bit on 2 3/8" workstring to tag top of liner @6399'. TOH
11. TIH w/ 3 1/8" bit or 3 1/2" bit on 2 3/8" workstring.
12. Tag for fill in the 4" liner.
13. RU Air unit and clean out to ~6610. (TOL 4" @ 6399')
14. TIH w/ 4" RBP and packer and set 4" RBP @6480'. Set packer ~6390'. Test 4" liner. Isolate any leaks in the 4" and squeeze if necessary.
15. TIH w/ 5 1/2" packer and set 6331' and test TOL. Isolate any leaks in the 5 1/2" and squeeze if necessary.
16. TIH w/ 5 1/2" packer on 2 3/8" workstring.
17. Load and test casing. Isolate leaks if needed and concerned about cementing job for the 2 3/8" liner. TOH.
18. RU Wireline and run GR/CCL/CBL from 6399' (TOL or RBP if have RBP set above the TOL.) to 4000' to confirm TOC behind 5 1/2" (calculated to be ~4710').
19. Depending on where find TOC, may elect to retrieve RBP in the 4" liner and set 5 1/2" RBP above previous Blinbry squeezed perfs 5586'-5713' prior to cementing.
20. RU wireline Services, TIH w/ 3 1/8" perf gun and perf 2 holes ~ 50-100' above TOC from CBL. (Have full lubrication in case we perf into waterflow in the SA.) TOH.
21. Dump sand on 5 1/2" RBP prior to cementing.
22. TIH w/ 5 1/2" packer on 2 3/8" workstring.
23. Establish rate and pressure into the San Andres. TOH.
24. TIH w/ 5 1/2" cmt retainer and set ~100' above perf holes.
25. RU cementing services. Squeeze w/ cement as per DS recommendation. TOH.
26. WOC.
27. TIH w/ 4 3/4" bit, DC, on workstring to DO cmt across the SA and down to RBP.
28. Test squeeze as per NMOCD requirements and run CBL or TS if needed for NMOCD.
29. Wash sand off RBP.

30. TIH to retrieve RBP.
31. TIH w/ 4" arrow set 10K packer w/ pump out plug, 4'X 2 3/8" on/off tool w/ 1.5" F profile nipple on 2 3/8" IPC tbg to 6500'.
32. Space out 2 3/8" tbg/liner.
33. RU cementing services. Circ cmt on 2 3/8" liner as per DS recommendation.
34. Engage on/off tool.
35. Blow pump out plug and flush tbg w/ 2000 gals acid as needed and over displace w/ wtr 2 times tbg capacity.
36. WOC overnight.
37. Attempt to backflow or establish rate down 2 3/8" liner/tbg into perforations.
38. RD and place on injection.

Denise Wann

WELL DATA SHEET

FIELD: Drinkard

LOC: 480' FNL & 2160' FWL

TOWNSHIP: 21S

RANGE: 37E

13-3/8" OD, 40# Csg

Set @ 152' w/150 sx cmt.

TOC @ Surf.

8-3/4" OD, 32# Gr J-55H-40

Set @ 2866' w/1000 sx

TOC @ Surf.

WELL NAME: Central Drinkard Unit # 133

SEC: 32

COUNTY: Lea

STATE: NM

GL:

KB: 3465'

DF to GL:

FORMATION: Drinkard

CURRENT STATUS:

API NO: 30-025-06948

Chevno: FA8045

Spud : 11-11-47

Date Completed: 1-7-48

Initial Formation: Drinkard

FROM: **TO:**

Initial: Production

223 BOPD

Completion data:

Spud 11-11-47, Completed 1-7-48

2500 gals acid

Originally: State K # 3,

Drinkard Formation,

TD 6620', Operator Skelly Oil.

Subsequent Workover or Reconditioning:

8-28-80 Ran liner in OH section.

9-02-80 Perf Liner to circ cmt.

9-05-80 Perf liner for Injection.

6-85 Acldz w/1000 gals 50% NEFE

3/2/2004- Holmes Wireline tagged hard obstruction @ 31'.

Last Profile 7/16/1984

Convert to Injection

TOC @ 4710'

Blinebry Perfs Sqzd

5586' - 5713'

Tubb Perfs Sqzd

6116'-6200'

Pkr @ 6331'

Tbg Detail:

205 jts 2-3/8" 4.7# EUE 8RD

J-55 (Rice Duoline)

Baker model R Nickel pkr set @ 6331'.

5-1/2" OD, 17# csg, Gr J-55

Set @ 6487' w/ sx cmt.

TOC @ 4710' by calc.

TOL @ 6399'

4" 11.34# Integral Liner

6530' - 31' to Circ Cmt

3 JHPF

6587' - 89

4 JHPF

6600' - 02'

4 JHPF

Total Perfs After WO

96 Holes

44' Net Feet

PBTD @ 6610'

TD @ 6620'

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Last Profile 7/16/1984

Convert to Injection

Sq hole to circ cmt to
surface

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5586' - 5713'

Tubb Perfs Sqzd
6116'-6200'

2 3/8" IPC Liner set ~6500'

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6587' - 89 4 JHPF

6600' - 02' 4 JHPF

Total Perfs After WO

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TD @ 6620'

