Bill Barrett Corporation

Indian Tree 31-9
P&A PROCEDURE
Section 9–T6N–R66W
API # 05-123-14020

January 20, 2014

OBJECTIVE

Plug and abandon the Indian Tree 31-9 well according to the following procedure.

MATERIALS NEEDED:

Cast Iron Cement Retainers (CICR): 3
Cement: Approx. 175 sks 15.8 ppg, 1.15 ft^3/sk, Class G to be supplied by Halliburton

CURRENT WELL STATUS

Currently the well is producing.

P&A PROCEDURE

1. Contact COGCC 48 hrs before MIRU
2. **Safety is the highest priority.** Hold wellsite safety meetings each morning and prior to each significant operation. Review critical parameters and objectives as well as emergency action plans.
3. Hold and document pre-activity meeting, determine location of necessary equipment and rig up of same, be sure all necessary contractors are present and agree as to the layout of location.
4. MIRU workover rig
5. ND wellhead and NU BOP
6. POOH with existing tubing
7. RIH with scraper for 4 ½" 11.6# casing
8. POOH with scraper
9. MIRU WL unit and lubricator
10. RIH to 6230' with 4 ½" GR and JB
11. TOOH with WL

12. RIH with 1’ of guns on WL to 6220’ and shoot perfs (1 ft of 4 spf @ 90 degree phasing)
13. TOOH with WL
14. RIH on WL with CICR for 4 ½” 11.6# csg and set at 6120’
15. TOOH with WL
16. MIRU workover rig
17. RIH with 2 3/8” tubing to 6120’ and sting into retainer
18. RU cementers and pressure test lines
19. Squeeze 50 sx cement into perfs leaving at least 100 ft in casing below CICR
20. Sting out of retainer
21. Leave 5 sx cement on top of CICR
22. RD cementers
23. TOOH with 2 3/8” tubing
24. MIRU WL unit and lubricator
25. RIH with 1’ of guns on WL to 351’ and shoot perfs (1 ft of 4 spf @ 90 degree phasing)
26. TOOH with WL
27. RIH on WL with CICR for 4 ½” 11.6# csg and set at 251’
28. TOOH with WL
29. MIRU workover rig
30. RIH with 2 3/8” tubing to 251’ and sting into retainer
31. Squeeze 150 sx cement into perfs until returns are seen at surface and leaving at least 100 ft in casing below CICR
32. TOOH with 2 3/8” tubing
33. RDMO workover rig
34. Ensure there is no pressure on any casing string and backside
35. Cut off casing and wellhead 4’ below ground level
36. Set 12 sx cement at surface (50’ inside and outside all casing strings)

37. Weld on abandonment marker according to COGCC (label cap with API#)

38. Cut and blow down all surface flow lines

39. Clean and clear location

CASING AND TUBING DATA

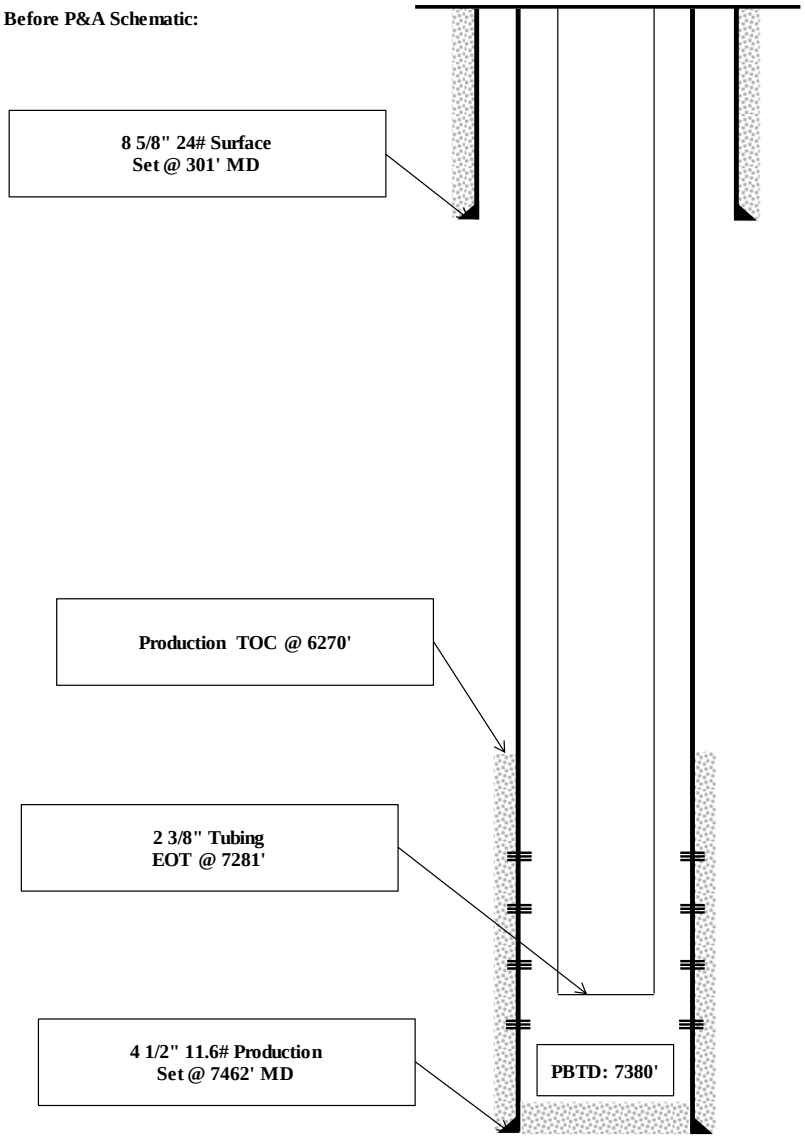
STRING	SIZE	WEIGHT	GRADE	DEPTH
Surface	8 5/8”	24#	J-55	301’
Production	4 1/2”	11.6#	-	7462’
Tubing	2 3/8”	Unknown	Unknown	Unknown

EXISTING PERFORATION DATA

ZONE	TOP (ft)	BOTTOM (ft)
Niobrara	7004	7332

WELLBORE DIAGRAM SCHEMATIC: Indian Tree 31-9 1/20/2014

Before P&A Schematic:

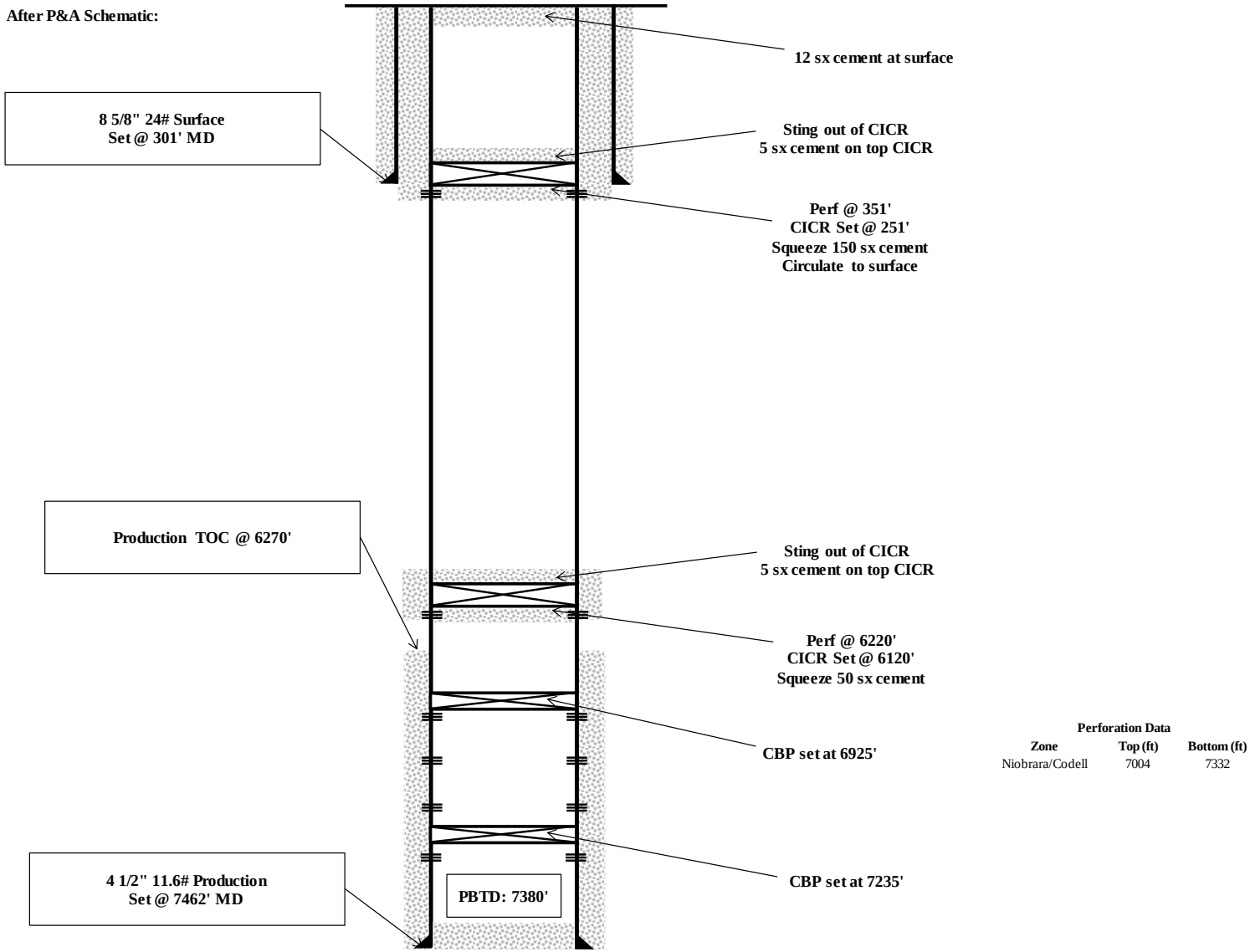


Perforation Data

Zone	Top (ft)	Bottom (ft)
Niobrara/Codell	7004	7332

WELLBORE DIAGRAM SCHEMATIC: Indian Tree 31-9 1/20/2014

After P&A Schematic:



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