Bill Barrett Corporation

State A 5
P&A PROCEDURE
Section 36–T1S–R66W
API # 05-001-06824

April 7th, 2014

OBJECTIVE

Plug and abandon the State A 5 well according to the following procedure.

MATERIALS NEEDED:

Cast Iron Cement Retainers (CICR): 3
Cement: Approx. 375 sks 15.8 ppg, 1.15 ft^3/sk, Class G supplied by Cement Company

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 to 7600'
8. POOH with scraper
9. MIRU WL unit and lubricator
10. RIH to 7600' with 4 ½" GR and JB
11. TOOH with WL

12. RIH with 1’ of guns on WL to 7550’ 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 7500’
15. TOOH with WL
16. MIRU workover rig
17. RIH with 2 3/8” tubing to 7500’ and sting into retainer
18. RU cementers and pressure test lines
19. Squeeze 25 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 1820’ 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 1770’
28. TOOH with WL
29. MIRU workover rig
30. RIH with 2 3/8” tubing to 1770’ and sting into retainer
31. Squeeze 25 sx cement into perfs leaving at least 100 ft in casing below CICR
32. Sting out of retainer
33. Leave 5 sx cement on top of CICR
34. TOOH with 2 3/8” tubing
35. RDMO workover rig
36. MIRU WL unit and lubricator

37. RIH with 1’ of guns on WL to 260’ and shoot perfs (1 ft of 4 spf @ 90 degree phasing)
38. TOOH with WL
39. RIH on WL with CICR for 4 ½” 11.6# csg and set at 160’
40. TOOH with WL
41. MIRU workover rig
42. RIH with 2 3/8” tubing to 160’ and sting into retainer
43. Squeeze 25 sx cement into perfs leaving at least 100 ft in casing below CICR
44. Sting out of retainer
45. Leave 5 sx cement on top of CICR
46. TOOH with 2 3/8” tubing
47. RDMO workover rig
48. Ensure there is no pressure on any casing string and backside
49. Cut off casing and wellhead 4’ below ground level
50. Set 12 sx cement at surface (50’ inside and outside all casing strings)
51. Weld on abandonment marker according to COGCC (label cap with API# and Wellname)
52. Cut and blow down all surface flow lines
53. Clean and clear location

CASING AND TUBING DATA

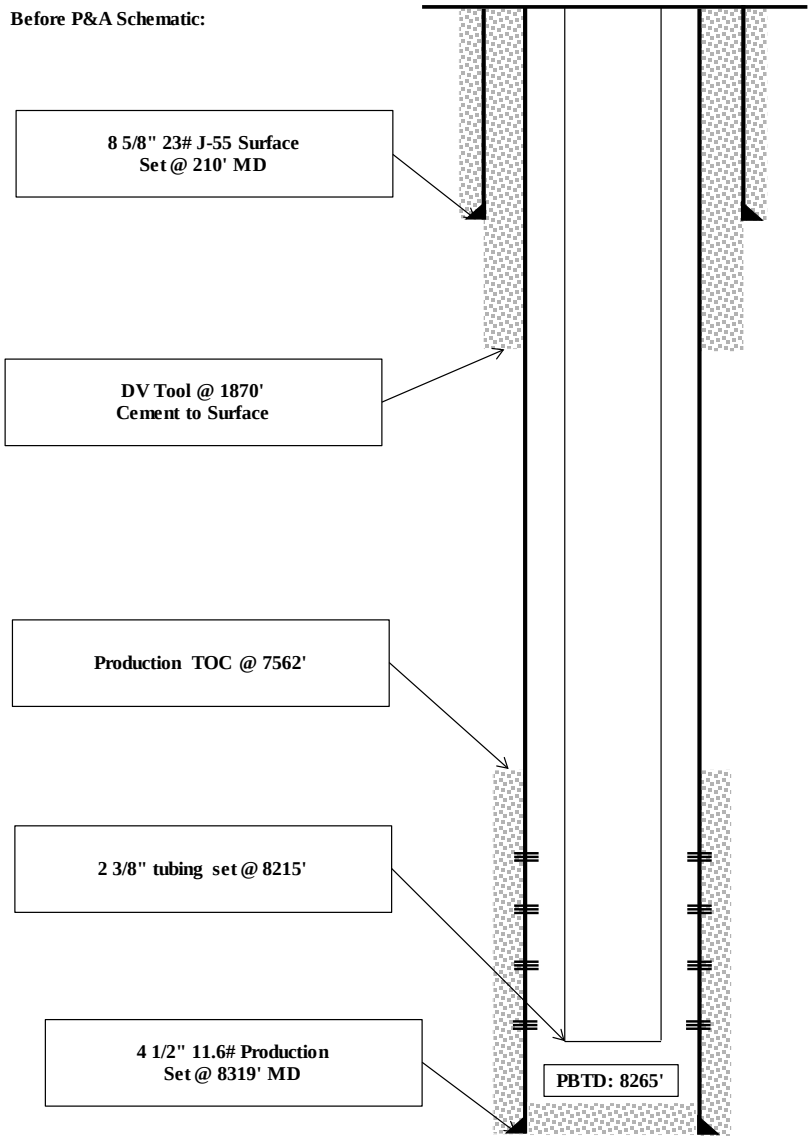
STRING	SIZE	WEIGHT	GRADE	DEPTH
Surface	8 5/8”	23#	J-55	210’
Production	4 1/2”	11.6#	-	8319’
Tubing	2 3/8”	Unknown	Unknown	8215’

EXISTING PERFORATION DATA

ZONE	TOP (ft)	BOTTOM (ft)
J Sand	8178	8208

WELLBORE DIAGRAM SCHEMATIC: State A 5 4/7/2014

Before P&A Schematic:



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