CRESTONE PEAK
RESOURCES

Bell 34-26

API# 05-123-19892
SWSE Sec 26-1N-67W
Weld County, Colorado

P&A Procedure

AFE

April 17, 2018

Engineer:	Cole Carveth
Director, Engineering:	Emily Miller
Completions Superintendent:	Matt Rohret
VP, DJ Operations:	John Schmidt
Attachments:	Current Wellbore Diagram Proposed Wellbore Diagram

Objective

Pull tubing and production equipment. Plug and abandon well.

Procedure

1. Submit electronic Form 42 to COGGC 48 hours prior to performing Form 17 Bradenhead Test. (not required if Bradenhead Test has been completed within 60 days of plugging operations.)
2. Perform Form 17 Bradenhead Test and sample for gas, water, and oil per COGCC Regulation.
3. Contact surveyor to acquire as-built surface location.
4. Submit electronic Form 42 to COGGC 48 hours prior to MIRU.
5. Submit form for Ground Disturbance Permit. Get One Call.
6. Notify Automation and Production Department. Production to check pressures, retrieve plunger equipment and blow down well.
7. Hold a pre-job safety meeting. Discuss all aspects of the procedure with any involved personnel. Identify and address any safety concerns before the job begins.
8. MIRU workover unit. Blow down well.
9. ND wellhead. NU BOPE.
10. Un-land tubing and TOOH w/tubing.
11. MIRU wireline.
12. RIH w/ CIBP on wireline. Set CIBP at ~8,125' (within 50'-100' of the top J-Sand perf at 8,186', between collars).
13. RIH w/ wireline and dump bail 2 sx cement on top of CIBP. Pressure test plug to 500 psi. Hold pressure for 15 min. Chart pressure on 1,000 psi pressure chart.
14. RIH w/ CIBP on wireline. Set CIBP at ~7,275' (within 50'-100' of the Niobrara formation top at 7,327', between collars).
15. RIH w/ wireline and dump bail 2 sx cement on top of CIBP. POOH.
16. TIH w/ tubing to 5,220'.
17. Pump 45 sx Class G balanced plug from 5,220' to 4,650'. TOOH w/ tubing.
18. ND 7 1/16" BOP and wellhead. NU 11" BOP on surface casing. RU casing tongs and pipe wrangler.
19. RIH with casing jet cutter on wireline. Cut 4 ½" casing at 2,100'. POOH with wireline. Pull casing with spear to first joint, remove casing slips. Establish circulation.
20. Pump and spot 75 sx Class G balance stub plug from 2,100' to 1,842'. Trip out of hole to 1,050'. Roll hole. Ensure there is no sign of hydrocarbons. If evidence is found, contact engineering. If circulation is not maintained then tag the plug after WOC.
21. Pump 50 sx Class G or Type III balanced plug across surface casing shoe. Pump wiper plug ahead of cement to ensure water does not mix with cement. TOC will be approximately 875'. TOOH laying down all casing. Wait on cement for 4 hours.
22. TIH w/ tubing and tag cement top. Report top to engineering. TOOH.
23. PU 8-5/8" CIBP. TIH and set @ 850'. Pressure test casing to 250 psi. TOOH and LD setting tool.

24. TIH and pump 1 bbl (~5sx) cement on top of CIBP. TOOH to 50’

25. Pump 15 sx Type III balanced plug from 50’ to surface.

26. ND BOP. Top off well as necessary with cement.

27. Disconnect flowline from separator and connect to junk tank placed at the battery.

28. Flush flowline with treated fresh water then blow dry with rig compressor. Prepare flowline for removal by construction department.

29. RDMO pulling unit.

30. Per ground disturbance procedure/policy, excavate around wellhead. Notify Environmental Department for surface review and inspection while digging.

31. Contact EHS to scan WH with FLIR to confirm well is plugged with no gas at surface. Save FLIR photo in well file.

32. Cut off casing 4 ft below ground level.

33. Weld on metal plate and dry hole marker.

34. Remove flowlines and backfill holes.

35. Notify Integrity Department to properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment is complete.

36. Restore surface location.

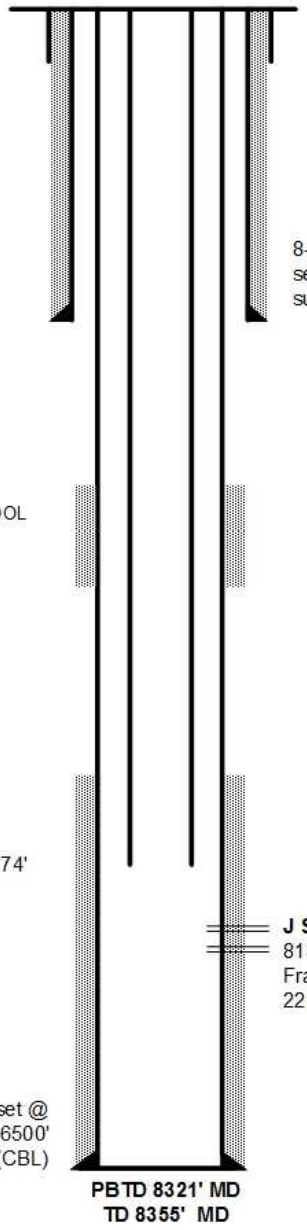
37. Ensure all pressure charts, cement and wireline tickets are emailed to the Denver office for subsequent reporting. Emails shall be sent to Production Engineer, Workover Coordinator, and Production Technician.

38. Submit Form 6 Subsequent Report of Abandonment documenting the P&A to COGCC.

Attachment #1 – Current Wellbore Diagram

Crestone Peak Resources

Well : **Bell 34-26**
Field : **Wattenberg**
County : **Weld** **State : Colorado**
Surface : **Lat: 40.01669** **Long: -104.854597**
: **660' FSL, 1780' FEL, SWSE Sec 26-T1N-R67W**
API # : **05-123-19892**
Grd Elev : **5022' GL 5032' KB**



Log Tops:

Sussex	4721'
Shannon	5340'
Niobrara	7327'
Codell	7759'
J-Sand	8177'

Well History:

Spud	2/15/2000
TD	2/19/2000
Completion	3/17/2000

8-5/8" 24# Surface Casing set @ 992', cmt'd w/695 sx to surface

DV TOOL
Production Casing STAGE TOOL set @ 5158'. Cmt w/ 200 sx
TOC @ 4170'
CBL dated 08/01/2002

2-3/8" tbg landed @ 8174'

J Sand Perfs (3/17/2000)
8186-8224', 64 holes
Frac'd with 550,780# sand, 221,622 gal frac fluid

4-½" 11.6# production casing set @ 8347'. Cmt w/275 sx, TOC 6500' (CBL)

PBTD 8321' MD
TD 8355' MD

Drawn by:	Date:			
Cole Carveth	04/16/2018			

Attachment #2 – Proposed Plugged Wellbore Diagram

Crestone Peak Resources

Well : **Bell 34-26**
Field : **Wattenberg**
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: **660' FSL, 1780' FEL, SWSE Sec 26-T1N-R67W**
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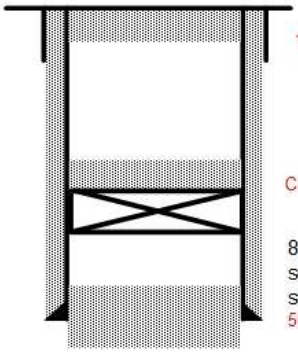

15 sx balanced plug surface-50'

CIBP set @ 850' w/ 5 sx cement

8-5/8" 24# Surface Casing set @ 992', cmt'd w/695 sx to surface

50 sx balanced plug ~875' - 1050'

75 sx balanced plug 1,842' – 2,100'
4-½" casing cut at 2,100'

DV TOOL
Production Casing STAGE TOOL set @ 5158'. Cmt w/ 200 sx
TOC @ 4170'
CBL dated 08/01/2002

45 sx balanced plug 4650'-5220'

CIBP set @ 7275' w/ 2 sx cement

CIBP set @ 8125' w/ 2 sx cement

J Sand Perfs (3/17/2000)
8186-8224', 64 holes
Frac'd with 550,780# sand, 221,622 gal frac fluid

4-½" 11.6# production casing set @ 8347'. Cmt w/275 sx, TOC 6500' (CBL)

PBTD 8321' MD
TD 8355' MD

Well History:

Spud	2/15/2000
TD	2/19/2000
Completion	3/17/2000

Drawn by:	Date:			
Cole Carveth	04/16/2018			