CRESTONE PEAK
RESOURCES

Ewing 43-30

API# 05-123-21282
NESE Sec 30-2N-66W
Weld County, Colorado

P&A Procedure

AFE

October 24, 2018

Engineer:	Pam Woods
VP, Engineering & Subsurface:	Emily Miller
Completions Superintendent:	Matt Rohret
VP, DJ Operations:	John Schmidt
Attachments:	Current Wellbore Diagram Proposed Wellbore Diagram

Safety

Safety meetings are to be held with all service company personnel prior to each job. Wellsite supervisor must notify contractors as to known hazards of which the contractors may be unaware. Well site supervisor must ensure that all workers are aware of their responsibilities and duties under the EH&S guidelines. All safety meetings will be recorded on the Crestone Peak Resources daily completion reports in Wellview. Follow best practices for well control and proper handling of gas, oil and well fluids.

Regulations

All verbal notifications and approval from government regulatory agencies will be recorded on the Crestone Peak Resources daily report. The name of the individual contacted and the subject matter of approval or notification will be recorded.

Reason for Work

Sub-economic well.

a) Casing to be pulled: Yes. 2,200' of 4-1/2" production casing.
b) Fish in hole: No
c) Uncemented Casing Leaks: No

Additional Well Information

a) Federal: No
b) SXSN Production within 1 mi: Yes
c) Deepest water well within 1 mi 722'
d) Bradenhead Pressure: 14 psi
e) Gyro: 4/30/14
f)

Additional COGCC COAs

Contacts

Production Coordinator
Steve Baker
Mobile: 303-435-1893
Email: steve.baker@CRESTONEPR.COM

Lead Lease Operators
Manny Talamantes
Mobile: (303) 435-7461
Email: manuel.talamantes@CRESTONEPR.COM

Brett Mericle
Mobile: (303) 476-8986
Email: brett.mericle@CRESTONEPR.

Objective

Pull tubing and production equipment. Plug and abandon well.

Procedure

1. Perform Form 17 Bradenhead Test and sample for gas, water, and oil per COGCC Regulation. (not required if Bradenhead Test has been completed within 60 days of plugging operations.)
2. Contact surveyor to acquire as-built surface location.
3. Submit electronic Form 42 to COGGC 48 hours prior to MIRU.
4. Submit form for Ground Disturbance Permit. Get One Call.
5. Notify Automation and Production Department. Production to check pressures, retrieve plunger equipment and blow down well.
6. 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.
7. MIRU workover unit. Blow down well.
8. ND wellhead. NU BOPE.
9. Un-land tubing and TOOH w/tubing.
10. MIRU wireline.
11. RIH w/ CIBP on wireline. Set CIBP at ~7,825' (within 50'-100' of the top of the J-Sand at 7,892', between collars).
12. RIH w/ wireline and dump bail 2 sx cement on top of CIBP. POOH.
13. RIH w/ CIBP on wireline. Set CIBP at ~7,070 (within 50'-100' of the top of the Niobrara at 7,128', between collars).
14. RIH w/ wireline and dump bail 2 sx cement on top of CIBP. POOH. Pressure test plug to 500 psi. If pressure test fails, contact engineering for next steps.
15. TIH w/ tubing to 4,985'.
16. Pump 20 sx Class G balanced plug from 4,985' to 4,720' to cover stage tool. TOOH w/ tubing to 4645'.
17. Pump 30 sx Class G balanced plug from 4,645' to 4,250' (Sussex plug). 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 2,200. 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 2,200' to 2,004'. Trip out of hole to 825'. Roll hole. Ensure there is no sign of hydrocarbons. If evidence is found, contact engineering. If circulation was not maintained, then the plug must be tagged after WOC.
21. Pump 75 sx Class G or Type III cement (mixed with sufficient accelerant to achieve a 4-hour set time) to spot a balanced plug across surface casing shoe. TOC will be approximately 624'. TOOH laying down all casing. Wait on cement long enough to ensure cement is set sufficiently to obtain a good tag and pressure test.
22. TIH w/ tubing and tag cement top. Report top to engineering. Pressure test plug to 250 psi. TOOH.
23. PU 8-5/8" CIBP. TIH and set @ 80'. Blow hole dry with rig compressor. TOOH. LD all tubing.

24. ND BOP. Install casing cap w/ relief valve.

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

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

27. RDMO pulling unit. Clean up location. Label all equipment to be sent to the yard with the well name.

28. MIRU top off truck, water truck, air compressor

29. RIH with plastic tubing at CIBP at 80'.

30. Reverse circulate with 20 sx of cement from 80' to surface. Top off well and annular spaces as needed.

31. RDMO top off equipment.

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

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

34. Cut off casing 4 ft below ground level.

35. Weld on metal plate and dry hole marker.

36. Remove flowlines and backfill holes.

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

38. Restore surface location.

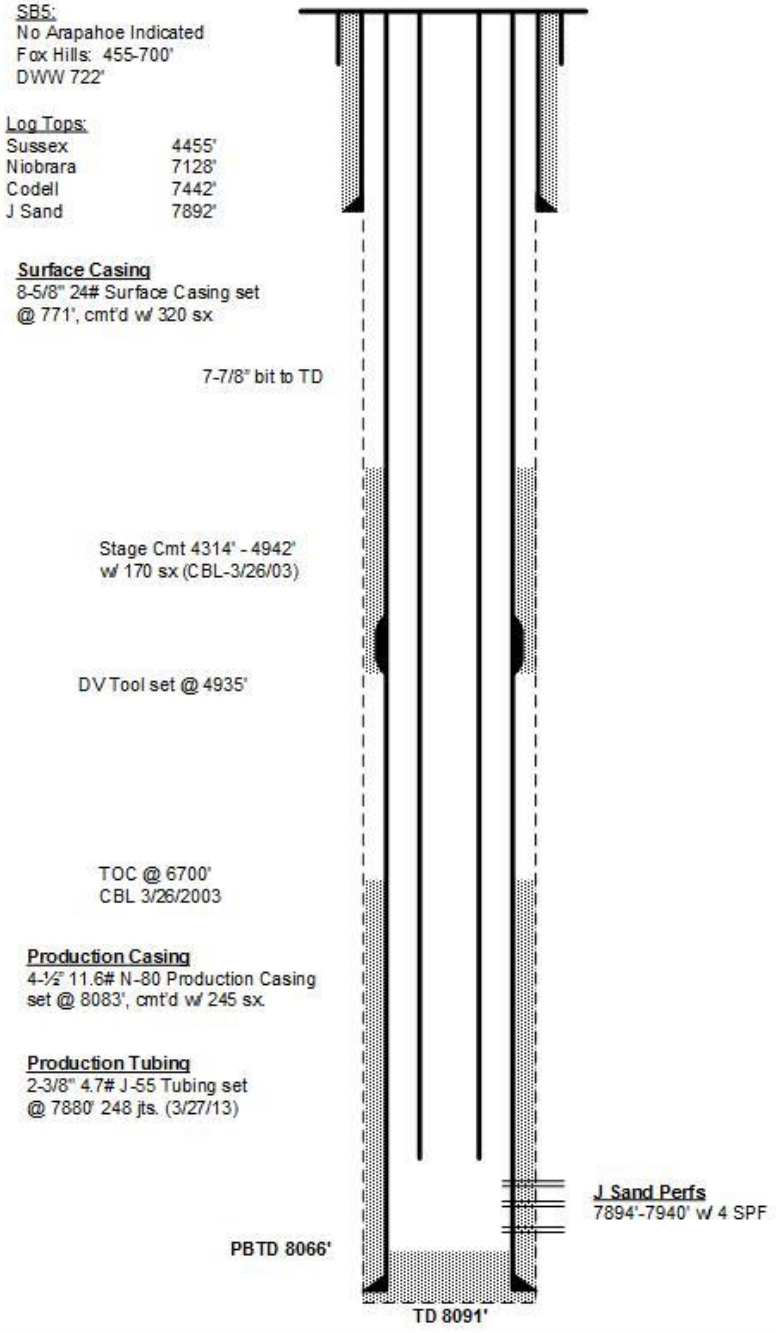
39. Ensure all rig tickets, pressure charts, cement and wireline tickets are saved to the electronic well files on the shared drive for subsequent reporting.

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

Attachment #1 – Current Wellbore Diagram

Crestone Peak Resources	Current Wellbore Diagram

Well : **Ewing 43-30**
Field : **Wattenberg**
County : **Weld** **State** : **Colorado**
Surface : **Lat: 40.107663** **Long: -104.81876**
: **2115 FSL, 625 FEL NESE Sec 30 T2N R66W**
API # : **05-123-21282**
Grd Elev : **4900' GR** **KB Elevation: 4912' KB**



Updated by:	Date:			
Pam Woods	10/22/18			

Attachment #2 – Proposed Plugged Wellbore Diagram

Crestone Peak Resources	Proposed Wellbore Diagram

Well : **Ewing 43-30**
Field : **Wattenberg**
County : **Weld** **State** : **Colorado**
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: **2115 FSL, 625 FEL NESE Sec 30 T2N R66W**
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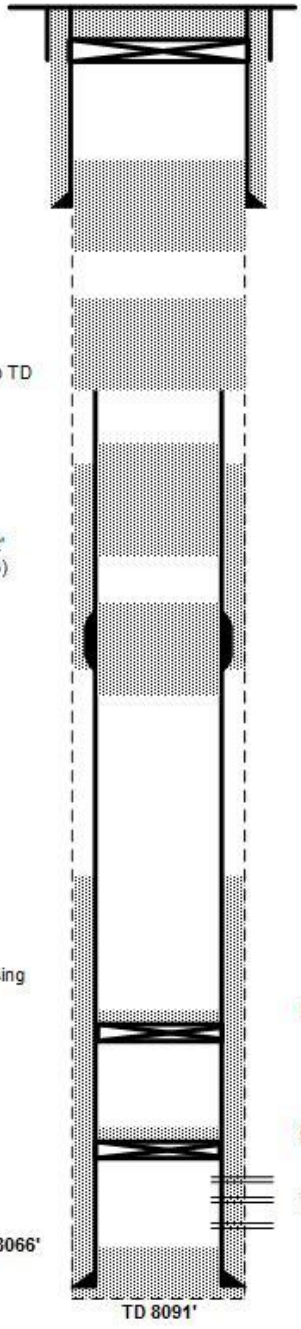

SB5:
No Arapahoe Indicated
Fox Hills: 455-700'
DWW 722'

Log Tops:

Sussex	4455'
Niobrara	7128'
Codell	7442'
J Sand	7892'

Surface Casing
8-5/8" 24# Surface Casing set @ 771', cmt'd w/ 320 sx

7-7/8" bit to TD

Stage Cmt 4314' - 4942' w/ 170 sx (CBL-3/26/03)

DV Tool set @ 4935'

TOC @ 6700'
CBL 3/26/2003

Production Casing
4-½" 11.6# N-80 Production Casing set @ 8083', cmt'd w/ 245 sx.

PBTD 8066'

TD 8091'

CIBP set @ 80' w/ 20 sx cement to surface

75 sx balanced plug ~624' - 825'
Calculated with 30% excess in OH

75 sx balanced plug 2,004' – 2,200'
Calculated w/ 30% excess in OH
4-½" casing cut at 2,200'

30 sx balanced plug ~ 4250-4645'

20 sx balanced plug ~ 4720-4985'

CIBP set @ 7070' w/ 2 sx cement

CIBP set @ 7825' w/ 2 sx cement

J Sand Perfs
7894'-7940' w/ 4 SPF

Updated by:	Date:			
Pam Woods	10/24/18			