

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

Storey C LS 5
Recomplete Into the Basin Fruitland Coal
API #: 30-045-07018
November 17, 2004

Procedure:

1. Perform pre-rig site inspection. Check for: size of location, Gas Taps, other wells, other operators, running equipment, wetlands, wash (dikes req.), H₂S, barriers needed for equipment, Landowner issues, location of pits (buried lines in pits), Raptor nesting, critical location, check anchors. Check ID wellhead, if earth pit is required have One Call made 48 hours prior to digging.
2. Perform second site visit after lines are marked to ensure all lines clear marked pit locations. Planning and Scheduling to ready location for rig.
3. RU slickline unit or wireline unit. Pressure test lubricator and equipment. RIH and set **two** barriers (CIBP, tbg collar stop w/plug, or plug set in nipple) for isolation in tubing string.
4. Check and record tubing, casing, and bradenhead pressures. Ensure production casing has double casing valves installed. Double valve all casing strings.
5. MIRU workover rig. LOTO all necessary equipment including but not limited to: meter run, Automation, Separators and water lines.
6. Blow down well. Kill with 2% KCL water ONLY if necessary.
7. Check all casing strings to ensure no pressure exist on any annulus. **The operations of removal of wellhead and installation of BOP's will be performed under a dispensation for one (1) barrier on the backside.**
8. Nipple down Wellhead. NU BOPs and diversion spool with 3" outlets and 3" pipe to the blow tank. Pressure test BOPs to 200 psi above BHP. Monitor flowing casing pressure with gauge (with casing flowing to blow tank) throughout workover.
9. Install stripping rubber, pull tubing hanger up above pipe rams, and shut pipe rams. Remove stripping rubber. Strip tubing hanger out of hole. Re-install stripping rubber.
10. RIH and tag fill, then TOH with 1-1/4" tubing currently set at 2975'. Using approved "Under Balance Well Control Tripping Procedure". Visually inspect tubing while POOH.
11. TIH with bit and scraper for 5-1/2" casing and work down to PBTD at 3010' with approved barrier. Check the distance between the top of the blind rams and the length of the bottom hole assembly that is being run. If the BHA is too long then the well has to be top killed and monitored prior to opening blind rams.

12. RU E-line equipment. Pressure test lubricator and equipment. Run CBL, GR/CCL, and RST log from +/-3010 to 2650.
13. RIH with 5-1/2" CIBP. Set CIBP @ 2955'. Load well with 2% KCl. Pressure test casing to 3000 psi with rig pumps. POOH.
14. Prepare for explosive operations. Follow Schlumberger Explosive SOP including radio silence, suspension of welding operations, and isolation of electrical devices from the work area. Perform Pre-job Safety Meeting to review JSA and procedures. Meeting should address the VDR (vehicle data recorder) System that BP vehicles have installed. They must be shut off at the 300 foot sign by hitting 00 and then the enter button, and then wait for about 5 minutes for the unit to turn off. When the green light goes out, call the control center at 326-9475. This number is on a pickup list in the Optimizer room and should be your first point of contact followed by the front desk then the weekend pager. Verify the unit is not transmitting. You then can drive to location and park, but do not to exceed 10 Miles/hr. Note: 20 MPH will turn unit back on. If someone has On Star on their vehicle they cannot enter closer than 300 foot. On Star cannot be turned off. PLEASE take special caution. This is in conjunction with all cell phones, pagers, radios and any electronic devise that transmits a signal.
15. RIH with casing guns w/lubricator. Perforate Fruitland Coal formation (correlated to GR log) – perfs to be picked from log. (xxxx to xxxx, x spf)
16. NU Frac Isolation equipment, Spearhead 500 gal 15% HCL, establish injection rate, and proceed with fracture stimulation according to Schlumberger schedule. Maintain surface pressures during frac job not to exceed casing burst rating.
17. Flowback frac immediately. Flow well through choke manifold on 1/4", 1/2" and 3/4" chokes increasing drawdown until well dies or stabilizes.
18. ND Frac isolation equipment.
19. Rig up air package/unit, pressure test all lines (Testing procedure to be supplied from air company), TIH with tubing and bit for 5-1/2" casing. Cleanout fill to top of CIBP. **Perform well test on Fruitland Coal for regulatory and document well test in DIMS.** Cleanout fill to top of CIBP @ 2958'. Blow well dry. Reference Under Balanced Well Control Tripping Procedure.
20. Rabbit tubing and RIH with 2-3/8" production tubing (with muleshoe, F-nipple with plug, 4 ft pup, X-nipple with plug).
21. Land 2-3/8" production tubing at +/-xxxx' (depth to be verified). Lock down hanger.
22. Pressure test tubing to 500 psi with air unit, make sure tubing spool valves are open. Care should be taken during pressure testing of the tubing due to potential problem caused if tubing parts close to surface or above the hanger. Check all casing string for pressure. **The operations of removal of wellhead and installation of BOP's will be performed under a dispensation for one (1) barrier on the backside.**

23. ND BOP's. NU Wellhead. During Master valve placement ensure the top of hanger has spacer nipple in place to bottom of bonnet flange so plunger equipment will not hang up through tree. Pressure test Wellhead.
24. RU WL unit. Pull plugs.
25. RD slickline unit.
26. Test well for air. Return well to production. RD and release equipment. **NOP 7804-01**
Normal Operating Procedure Wellbore Air Purge
27. Be sure to remove all LOTO. Insure all data is input into DIMS, Print out summary of work and place in Well file, have discussion with production when handing off the well file.

Storey C LS 5

Sec 35, T28N, R9W

API: 30-045-07018

6798' GL

TOC & surf (circ)

9-5/8", 25.4# @ 135'

100 sxs cmt

History:

Completed Oct 1956

TOC @ 2020 (temp survey)

1-1/4" thg 2.3# @ 2975'

Pictured Cliffs Perforations

2961'-3001' w/ 40,000# sand

5-1/2", 15.5# J55 @ 3035'

200 sacks cmt

PBTD: 3010'

TD: 3035'

updated: 6/11/04 CFR

District I-
1625 N. French Dr., Hobbs, NM 88240

District II
811 South First, Artesia, NM 88210

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-102
Revised August 15, 2000

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-07018	² Pool Code 71629	³ Pool Name Basin Fruitland Coal
⁴ Property Code 001139	⁵ Property Name Storey C LS	⁶ Well Number 5
⁷ OGRID No. 000778	⁸ Operator Name BP America Production Company	⁹ Elevation 6798'

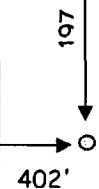
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from	North/South	Feet from	East/West	County
Unit D	35	28N	09W		1973	North	402	West	San Juan

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from	North/South	Feet	East/West	County
¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

					¹⁷ OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i> Mary Corley Signature Mary Corley Printed Name Sr. Regulatory Analyst Title 12/1/2004 Date
					¹⁸ SURVEYOR CERTIFICATION <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i> 7/2/1956 Date of Survey Signature and Seal of Professional Surveyor: E O Walker Certificate Number