

Date: 8/15/2018
Spud: 11/21/2008
Completed: N/A
Elevation: 6585'

YCF 28-44-1
AFE #: 1805045
Piceance Creek Basin
API: 0510311206
T01N-R98W-S28; 848' FSL & 643' FEL
Rio Blanco County, Colorado

SCOPE FOR PLUG AND ABANDON

KWF: 9.00 ppg

Note: All cement volumes use 100% excess outside pipe and 50' excess inside. The stabilizing wellbore fluid will be 9 ppg, sufficient to balance all exposed formation pressures. All cement will be Class G or equivalent, as specified by regulations, mixed at 15.6 ppg with a 1.18 cf/sx yield. The wellbore 'surface' is referred to as 3' below ground level due to csg removal depth requirements.

Permits: Obtain approved permits from the State of Colorado and an approved Notice of Intent to Plug and Abandon from the BLM.

There is no tree on this well and no flange. (See pictures below.) Surface casing is 9-5/8" and cemented to 150'. No BOP is needed.



Scope:

- 1 Install and test location rig anchors. Comply with all State of Colorado, BLM, and XTO Energy safety regulations. Conduct safety meeting for all personnel on location.
- 2 MIRU daylight pulling unit.
- 3 PU 3600' of WS tubing to use for P&A.

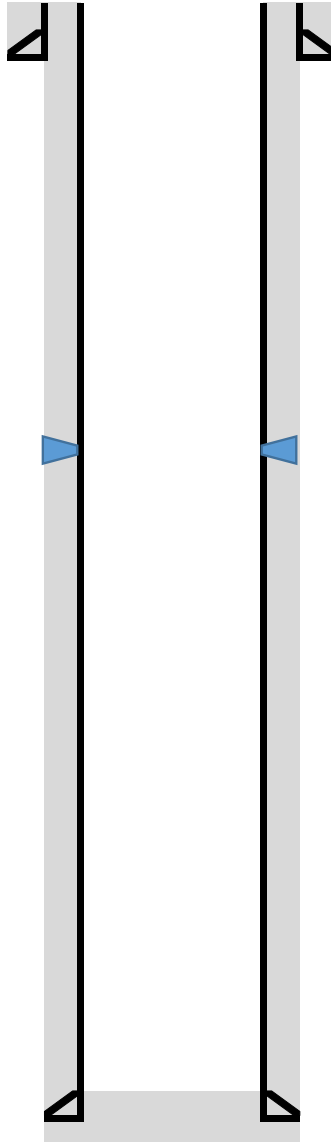
- 4 Test casing to 500 psi via the 1/4" NPT valve. Record casing pressure. NU relief line and blow down well through NPT valve.
- 5 Remove casing cap.
- 6 **Plug #1 PBTD' to 3475' (Isolate Surface Casing Shoe at 3582')** TIH tbg and pressure test to 1000 PSI. Circulate well clean. Tag PBTD. Mix enough Class G cement to bring cement to 3475' (approximately 5.5 sxs per 10'). If tag reaches 3591', we are at TD, and no cement is in hole. In this case, mix approximately 77 sxs Class G cement (21 sxs to fill open hole, and 56 sxs to fill to 3475') and pump into well. PUH. Circulate wellbore clean. PUH to 1530'.
- 7 **Plug #2 (1530' to 1430').** Mix approximately 55 sxs Class G cement and spot balanced plug inside casing from 1530' to 1430' to protect across DVT location. PUH to 160'.
- 8 **Plug #3 (160' to 0').** Mix approximately 78 sxs Class G cement and spot balanced plug inside casing from 160' to surface. TOH and LD tbg. Shut in well and WOC.
- 9 Cut csg strings at 3' below surface. Top out as necessary. Install P&A marker to comply with regulations.
- 10 RDMO rig. Clean up location. Photograph P&A marker and record GPS location. Prepare for site reclamation within 6 months of final wellbore abandonment operations.

Current Wellbore Diagram

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Conductor Hole 26"; 105.0'
Conductor 20"; 133.00 lb/ft; K-55; 105.0'
Top of Cement Surf. Circ.

Stg 2 Cmt Topped off @ surf.

DVT 1480'

Stg 1 Cmt Circ. returns out of DV

Surface Hole 14-3/4"; 3591.0'
Surface Casing 9-5/8"; 36.00 lb/ft; J-55; 3582'
Top of Cement Surf. Topped off 12.04.08
TD 3591'
PBTD* 3543'

*To confirm with tag.

Proposed Wellbore Diagram

YCF 28-44-1

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Piceance Creek Basin
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Plug #3 160' to 0'
Cement 78 sxs Class G

Conductor Hole 26"; 105.0'
Conductor 20"; 133.00 lb/ft; K-55; 105.0'
Top of Cement Surf. Circ.

9.0 ppg KWF

Plug #2 1530' to 1430'
Cement 55 sxs Class G

Stg 2 Cmt Topped off @ surf.

DVT 1480'

Stg 1 Cmt Circ. returns out of DV

9.0 ppg KWF

Plug #1 3591' to 3475'
CR @ 3575'
Cement below 21 sxs Class G
Cement above 56 sxs Class G
77 sxs total

Surface Hole 14-3/4"; 3591.0'
Surface Casing 9-5/8"; 36.00 lb/ft; J-55; 3582'
Top of Cement Surf. Topped off 12.04.08
TD 3591'
PBTD* 3543'

*To confirm with tag.

