

## **CADDIS FEDERAL 33-9**

NWSE Section 9 T11N R91W 6PM  
1930' FSL 1850' FEL  
LAT 40.92089 LON -107.608016  
MOFFAT COUNTY, CO  
API No. 05-081-06955  
Fed. Lease No. COC60764

**\*ELEVATIONS:** KB = 6554'; GR = 6542'

**\*SURFACE CASING:** 8-5/8", 24#, SET FROM SURFACE TO 525' KB

**\*PRODUCTION CASING:** 4-1/2", 11.6# SET FROM SURFACE TO 4647' KB

**\*PERFORATIONS:** 4478' – 4490' LEWIS FORMATION

**\*TD:** 4920'

**\*PBSD:** 4636'

### **Plug and Abandon Procedure**

- 1) Bleed well down into tank one week in advance. Kill by bleeding if possible.
- 2) Test rig anchors.
- 3) MIRU Continental Industries rig and equipment.
- 4) MI 400 bbl tank; or 160 bbl vac truck as needed. Load w/ fresh water.
- 5) Dig small temporary emergency workover pit for cementing returns. Evacuate liquids immediately after entry into pit.
- 6) Finish blowing well down. Kill with fresh water if needed.
- 7) ND wellhead. NU BOPE.
- 8) Tally out of hole with 145 jts 2-3/8", 4.7#, N-80 tubing, SN and notched collar (see wellbore diagrams).
- 9) PU bit and scraper or gauge ring and junk basket and TIH with 2-3/8" tubing to 4450'.
- 10) TOOH w/ tools and 2-3/8 tubing.
- 11) PU and TIH w/CIBP and 2-3/8" tubing. Tally in. Isolate Lewis Sand by setting CIBP 4,440'
- 12) RU circulating unit. Roll hole with fresh water to circulate out any hydrocarbons and clean hole. Circulate into tank.
- 13) Pressure test production casing to 1000 psi for 15 minutes (verifying with continuous pressure recording device).
- 14) Mix and pump minimum 4 sx class G cement to set on top of CIBP.
- 15) Spot 45 bbls 9.0 ppg gel mud from 1390' to 4390'.
- 16) Set a balanced cement plug from 1240' – 1390' w/ 12 sx Class G cement.
- 17) Tag plug w/ tubing if required.
- 18) Spot 10 bbls 9.0 ppg gel mud from 580' to 1240'.
- 19) TOOH w/ 2-3/8" tubing.
- 20) PU 2-1/2" hollow carrier casing gun.
- 21) RIH w/ casing gun and perforate 50' below surface casing shoe at ± 575' with 4 spf.
- 22) POOH w/ wireline.
- 23) PU and TIH w/ CICR and 2-3/8" tubing. Tally in. Set CICR at 475'.
- 24) Test annulus to 500 psi to confirm CICR seal.
- 25) If needed, TOOH with 2-3/8 tubing and setting tool. TIH w/ 2-3/8" tubing and stinger. Sting into cement retainer at 475'.
- 26) Open casing head valves. Establish injection rate and pressure through perforations.
- 27) Mix and pump 160 sx Class G cement into surface casing/production casing annulus. Circulate cement to surface.
- 28) Sting out of retainer and mix and pump 4 sx of cement to set on top of cement retainer.
- 29) Spot 6 bbls 9.0 ppg gel mud from 100' to 475'.

- 30) With 3 jts. of tubing in hole, mix and pump 10 sx Class G cement from 100' to surface.
- 31) TOOH laying down 2 3/8" tubing.
- 32) ND BOP and tubing head.
- 33) Cut off casing and wellhead 3' below ground level.
- 34) Top off casing's annulus w/ cement if needed. Top off 4-1/2" casing w/ cement if needed.
- 35) RDMO workover rig.
- 36) Weld dry hole marker plate onto top of casing w/ the following:

TRUE OIL LLC  
LEASE NO. COC60764  
CADDIS FEDERAL 33-9  
NWSE SEC. 9 T11N R91W

**\*All depths KB**

**\*\*All cement pumping operations (plugs and squeezes) shall utilize continuous pressure and rate recording devices, and have the information available for verification and review on permanent record.**

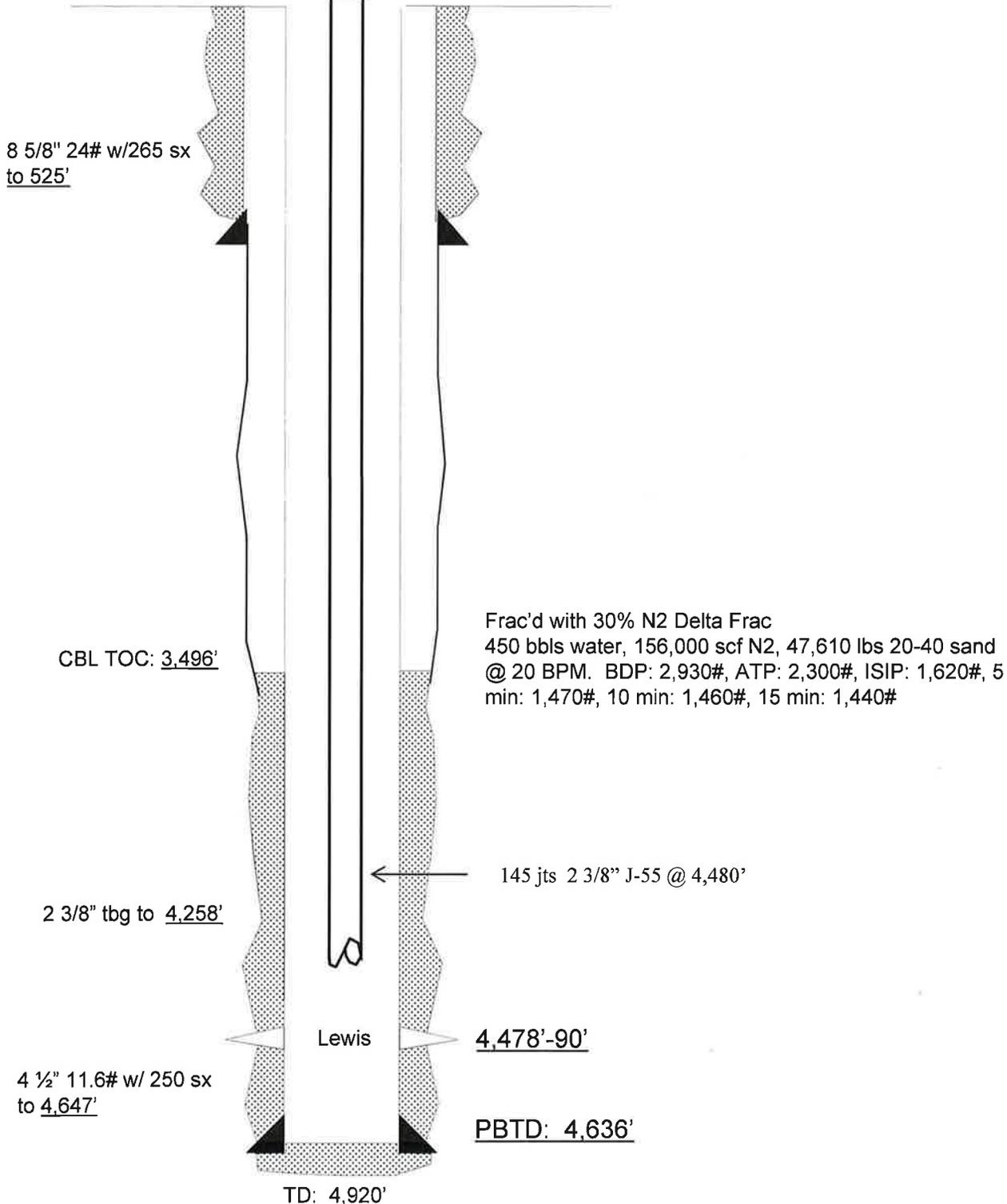


# Caddis Fed #33-9

NW SE Sec 9 11N-91W  
Moffat County, Colorado

KB: 6,554'  
GL: 6,542'  
TD: 4,920'  
PBD: 4,636'

## Current Wellbore Schematic



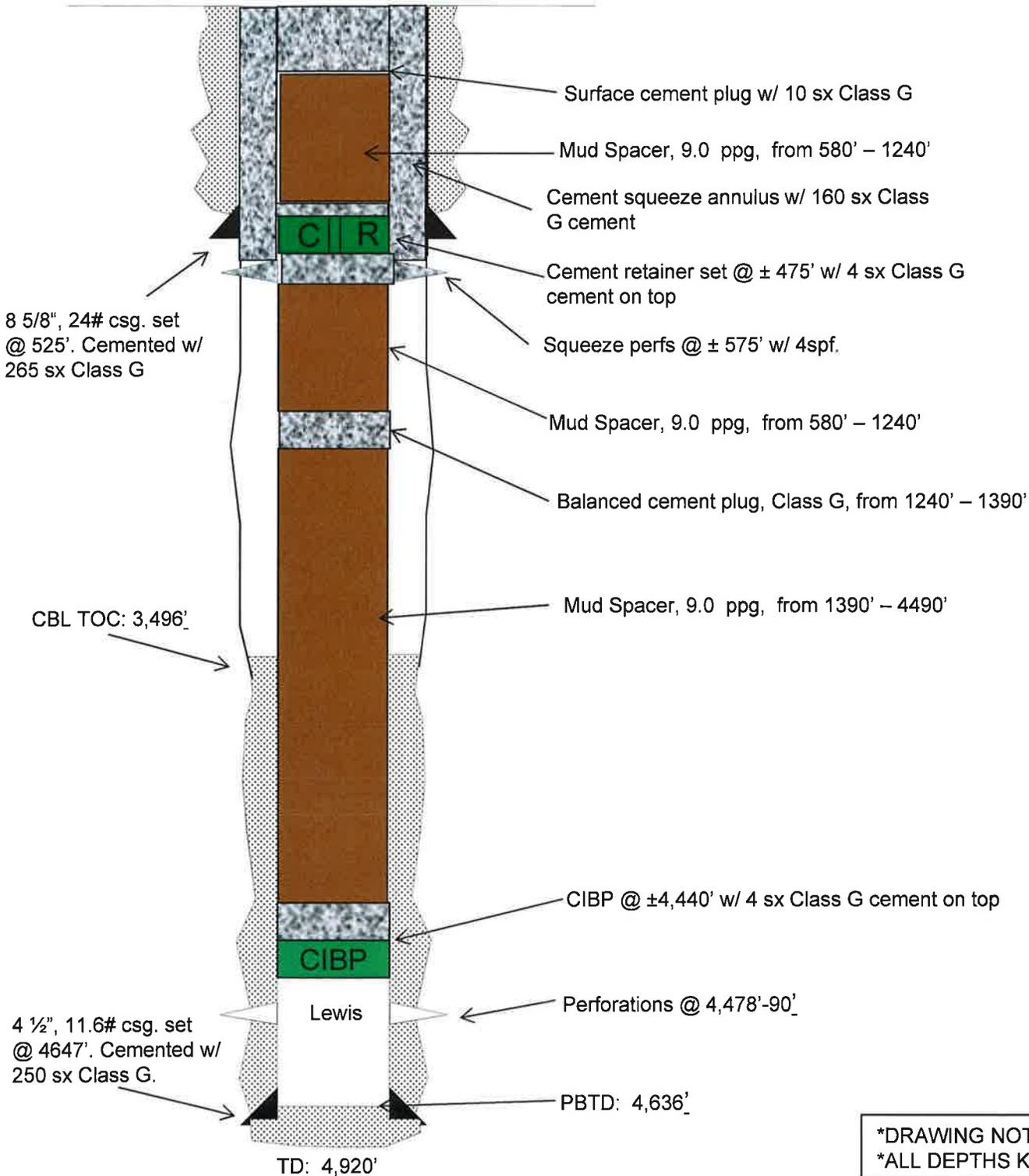


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## Proposed Plugged & Abandoned Wellbore



\*DRAWING NOT TO SCALE  
\*ALL DEPTHS KB