

**CWC PETRO LLC**  
**Eagle 2-12**  
**Plug and Abandonment Procedure**  
**October 28, 2022**

LOCATION: NWSW Sec 2, T3S, R46W  
2,150' FSL & 450' FWL  
Yuma County, CO

API: 05-125-11015

TD: 2,405'    PBD: 2,337'    KB: 4,058'    GL: 4,053'    KB: 5'

**PURPOSE of WORK:** Pull rods and tubing. Plug and abandon well.

**CASING:**

7", 20#, J-55 @ 282' in 9 7/8" hole

Cemented with 75 sxs Common + 3% CaCl + 2% gel + 1/4 #/sk Flakes (15.8 bbls)

15.6 ppg Yield: 1.18 cuft/sk

**Circulated 5.0 bbls to surface**

Allied Cementers

4 1/2", 10.5#, J-55 @ 2,367' RKB in 6 1/4" hole

Lead: 100 sxs Lite cement + 1/4 #/sk Flakes

12.2 ppg; Yield 1.81 (32.2 bbls)

Tail: 75 sx ASC + 2% Gel + 1/4 #/sk Flakes

14.5 ppg; Yield: 1.57 (21.0 bbls)

**Circulated 16 bbls of cement to Surface**

Allied Cementers

**FORMATION TOPS:**

	Proposed	Actual
Pierre Shale	188'	
Sharon Springs Member	2,078'	
Niobrara		
Top Beecher Island	2,178'	
Base Beecher Island	2,223'	

**PROCEDURE:**

1. Find and test rig anchors. If necessary, set temporary anchors. Spot in tubing float to handle 67 joints 2-3/8" 4.7# N80 8RD EUE tubing.
2. MIRU workover rig. Install wellhead and BOPE
3. Bullhead +/- 20 BBLS freshwater
4. POOH standing back tubing and tallying tubing. LD SN and mud anchor.

5. MU CIBP for 4.5" 10.5# casing and TIH on tubing to set CIBP @ +/- 2,146'. Set CIBP within 50' of top perforation at 2,196'.
6. MU pump in sub. Load hole with freshwater and establish circulation.
7. Mix and pump 25 sxs class A cement ( $1.18 \text{ ft}^3/\text{sx}$ ,  $29.56 \text{ ft}^3$  slurry volume). Spot cement from CIBP at +/- 2,146 up to +/-1,816'.
8. POOH laying down tubing up to 1,600'. Reverse circulate until returns are clean of cement.
9. POOH laying down tubing up to 330'. Load hole with freshwater and establish circulation.
10. Mix and pump 25 sxs class A cement ( $1.18 \text{ ft}^3/\text{sx}$ ,  $29.56 \text{ ft}^3$  slurry volume). Spot cement from CIBP at +330' up to surface
11. POOH laying down remaining tubing.
12. Dig up wellhead and cut off 4' below surface. Top off production casing as necessary with cement. Weld plate over casing stub. Plate to have well name, location, and API number.
13. Re-claim surface per lease agreement and state regulations.