



**Allan 1
REDTAIL
Plug and Abandon
API No. 051230577500
AFE # TBD**

WELL DATA

Surface Location: 1980' FNL & 1980' FEL of Sec 14, T10N, R58W, Weld County, CO
Elevations: Ground Level: 4895 ft Kelly Bushing: 4903 ft
Depths: Total Depth: 6719 ft KBMD

Surface Casing:

<u>OD</u>	<u>Grade</u>	<u>Weight</u>	<u>ID</u>	<u>Drift</u>	<u>Cap</u>	<u>Collapse</u>	<u>Burst</u>	<u>Tensile</u>
8 5/8"	N/A	24	8.097	7.972	0.0636 bbl/ft	1370 psi	2950 psi	244000 lbs

OBJECTIVE

The following is a procedure to drill out existing cement plugs and re-plug in order to properly plug and abandon the Allan 1 well. Prior to setting new cement plugs a gyro will be run, the wellbore will be logged with OH tools, and sidewall cores will be collected in 15 intervals.

Re-Plug and Abandon Procedure

1. Notify COGCC at least 48-hours prior to the start of operations using a Form 42. Verify with James Kopp that this is completed prior to moving the rig in.
2. Take GPS coordinates of well location. Send information to:
James Kopp James.Kopp@whiting.com (303) 357-1410
3. MIRU Workover Rig. Mob-in pump, swivel, tank, and 2-7/8" PH-6 workstring. NU 7-1/16" 5K BOP w/ 2-7/8" pipe rams on top and blind rams on bottom, pressure test high and low. PU full gauge 7-7/8" bit & TIH on 2-7/8" tubing.
4. Drill out existing cement plugs through 70 ftKB.
5. Drill/clean out wellbore to approximately 6,600 ftKB.
6. Once depth has been reached, TOOH with 2-7/8" workstring standing back.
7. MIRU gyro equipment. PU tools and RIH while logging down to 6,600 ftKB. POOH while logging, LD tools.
8. MIRU wireline crew. PU logging tools and & NU pack-off or lubricator. RIH w/ logging tools to 6,600 ftKB. Log full length of wellbore. POOH, ND pack-off or lubricator & LD tools. Send data to Denver office for review. Onsite Whiting geologist to review logging data and verify sidewall core sample intervals.
9. PU sidewall rotary coring tools and & NU pack-off or lubricator. RIH w/ coring tools to first interval verified by Whiting geologist and core 15 intervals uphole. POOH, ND pack-off or lubricator & LD tools. Verify that all core samples were successfully collected. RD wireline crew.
8. MIRU cement crew. Pressure test surface lines to 2,000psi. Mix and pump 100 sks, API Class G, 1.15 cu-ft/sk, 15.8 ppg cement, balancing plug at 5,725 ftKB. TOOH with 2-7/8" workstring standing back. Let cement cure overnight.
9. TIH with 2-7/8" workstring. Tag TOC with EOT, record depth.

10. MIRU cement crew. Pressure test surface lines to 2,000psi. Mix and pump 90 sks, API Class G, 1.15 cu-ft/sk, 15.8 ppg cement, balancing plug at 2,000 ftKB. TOOH with 2-7/8" workstring standing back. Let cement cure overnight.
11. TIH with 2-7/8" workstring. Tag TOC with EOT, record depth.
12. MIRU cement crew. Pressure test surface lines to 2,000psi. Mix and pump 60 sks, API Class G, 1.15 cu-ft/sk, 15.8 ppg cement, balancing plug from 200 ftKB to surface. TOOH with 2-7/8" workstring, LD on float.
13. Cut off WH to 5' below GL and fill hole.
14. Weld on cap with plugging information plate. Backfill cellar.
15. Reclaim disturbed surface.

SAFETY & ENVIRONMENTAL

****EMERGENCY CONTACTS BELOW****

Whiting Operating stresses safety and environmental stewardship in all operations. Safety tailgate meetings are encouraged prior to commencing with any major wellsite task. Spills of notable size should be reported and recorded. The proper personal protective equipment (PPE) should be worn at all times while on location. Should there be any questions regarding Whiting's safety/environmental policies, the Wellsite Supervisor will provide instruction.

EMERGENCY CONTACT INFORMATION

Contacts	Phone Number & Description
EMERGENCY	911 or (800) 472-2121
Sheriff's Department (Sterling, CO)	(970) 522-3512 (Logan County)
New Raymer Fire Dept	(970) 437-5713
After Hours Emergency (WOG)	
Engineer: James Kopp	Cell: (303) 681-1997, Office: (303) 357-1410
Rig Supervisor: Brent Brown	Cell: (701) 290-0123, Office: (970) 407-3009
Operations Supervisor: Mike Staab	Cell: (307) 299-0095, Office: (970) 493-2900