



Maddy 1-31
REDTAIL
Re-Enter and P&A
API # 051232007700
AFE # 17-0483

WELL DATA

Surface Location: 660' FSL & 660' FEL of Sec 31, T10N, R57W, Weld County, CO
Elevations: Ground Level: 4,698 ft Kelly Bushing: N/A ft
Depths: Total Depth: 6,440 ft KBMD

Surface Casing:

<u>Casing</u>	<u>Depth</u>	<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>
Surface	224 ft	8-5/8"	J-55	24.0 #	8.097 in	7.972 in	0.0636 bbl/ft	1,370 psi	2,950 psi	244,000 lbs.

OBJECTIVE

The following is a procedure to drill out existing cement plugs and set new cement plugs in order to properly isolate the Maddy 1-31 well.

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 exposed wellhead. Send information to:
 James Kopp James.Kopp@whiting.com (303) 357-1410
3. MIRU WO 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 6-1/4" bit & TIH on 2-7/8" tubing.
4. Drill out existing cement plugs down to 256'.
5. Drill and clean out wellbore down to existing cement plug at 6,244'. Tag and record the TOC of this plug.
6. TOOH with 2-7/8" workstring to 5,900'.
7. MIRU cement crew. Pressure test surface lines to 2,000psi. Mix and pump 200 sks, API Class G, 1.15 cu-ft/sk, 15.8 ppg cement, balancing plug at 5,900' KB. TOOH with 2-7/8" workstring standing back. Let cement cure overnight.
8. TIH with 2-7/8" workstring. Tag TOC with EOT, record depth.
9. PU to 900' FS. 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 at 900' KB. TOOH with 2-7/8" workstring standing back. Let cement cure overnight.
10. TIH with 2-7/8" workstring. Tag TOC with EOT, record depth.
11. PU to 300' FS. MIRU cement crew. Pressure test surface lines to 2,000psi. Mix and pump 92 sks, API Class G, 1.15 cu-ft/sk, 15.8 ppg cement, balancing plug from 300' KB to surface. TOOH with 2-7/8" workstring, LD on float.

- 12. Cut off WH to 5' below GL and fill hole.
- 13. Weld on cap with plugging information plate. Backfill cellar.
- 14. RDMO rig and equipment.
- 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)	1-800-723-4608
Primary Ops Engineer: James Kopp	Cell: (303) 681-1997, Office: (303) 357-1410
Secondary Ops Engineer: Adrian Reece	Cell: (720) 484-0777, Office: (303) 876-7076
Rig Supervisor: Brent Brown	Cell: (701) 290-0123, Office: (970) 407-3009