



# Exploration and Production Casing Repair

Revision Date:  
8/11/2014

Wellname **GM 414-23**  
Location **SWSW 23 6S 96W**  
Field **Grand Valley**  
County **Garfield, CO**  
API **05-045-10302**  
ELEV **5,915 ft**  
Footages **319 FSL 161 FWL**

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Casing: 9-5/8" 32.3# - 1,128-ft  
4-1/2" 11.6#, I-80, - 7,484-ft  
Current Top of Cement: 3,450-ft CBL (HAL 02/04/05)

**Purpose: Plug to abandon well**

Zone:	<b>All Perforations</b>	
Existing Perforations:	<u>Depth</u>	<u>Holes</u>
	5739-5908	15
	6050-6207	18
	6261-6748	19
	6934-7272	22
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	74	total

**Proposed Procedure**

- 1 Submit sundry COGCC, request verbal permission to proceed
- 2 Slow leak found at 265-297' in 4-1/2" casing, suspected collar/thread leak
- 3 Run CBL to verify 4-1/2" is free of cement
- 4 Spear casing and tighten casing connection, pressure test. If fail, attempt to back off casing string below leak, and replace failing areas with new casing
- 5 Should replacing casing be unsuccessful, squeeze cement around leak, drill out, and pressure test to 1000 psi, remove RBP, and return to production