



## Exploration and Production

### Well P&A Procedure

Wellname **GM 323-36**  
Location **NESW 36 6S 96W**  
Field **Grand Valley**  
County **Garfield, CO**  
API **05-045-14692**  
ELEV **5,596 ft**  
Footages **2084 FSL, 1708 FWL**

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Revision Date:  
10/6/2015

Casing: 9-5/8" 32.3#, H-40 - 1,128-ft  
4-1/2" 11.6#, I-80 - 7,127-ft  
Current Top of Cement: 3,070-ft CBL (HAL 30Dec2007)

**Purpose: Plug to abandon well**

Zone: **All Perforations**

Existing

Perforations:

Depth

Holes

5260-5439*	23	<b>*10/27/2011 - Squeezed MV 4 with 125 sks, 17.0 ppg, HAL</b>
5521-5647	14	
5815-6157	20	
6292-6546	18	
6739-6903	20	
	95	total

#### Proposed Procedure

- 1 Notify COGCC 48 hrs prior to start of activity via electronic Form 42
- 2 Set CIBP + 2 sks cement at 5200' ft in 4-1/2" casing
- 3 Pressure test 4-1/2" casing, pump cement into leaking area, if necessary
- 4 Set CIBP at 1225' in 4-1/2" casing, perforate 4-1/2" casing with 3 holes phased 120°, at 1175'
- 5 Place a cement plug to cover 4-1/2" backside from perforations to 50' into 9-5/8", and leaving 100' cement in 4-1/2", with a 30% open hole cement excess
- 6 Cut off 9-5/8" and 4-1/2" casing to 4-ft below ground level
- 7 Apply a 50-ft cement plug from surface in 4-1/2" - 9-5/8" annulus
- 8 Place a 50-ft surface cement plug inside 4-1/2" casing
- 9 Weld in place dryhole marker
- 10 Backfill cellar
- 11 Properly abandon flowlines per Rule 1103. File electronic Form 42 after flowline abandonment is complete