



Exploration and Production

Well P&A Procedure

Wellname **GM 513-1**
Location **NWSW 1 7S 96W**
Field **Grand Valley**
County **Garfield, CO**
API **05-045-10245**
ELEV **5,238'**
Footages **1415 FSL 1098 FWL**

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Revision Date:
5/2/2014

Casing: 9-5/8" 32.3# - 1,135-ft
4-1/2" 11.6#, I-80, - 6,370-ft
Current Top of Cement: 3,500-ft CBL (HAL 03/21/05)

Purpose: Plug to abandon well

Zone: **All Perforations**

Existing Perforations:

<u>Depth</u>	<u>Holes</u>
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4066 - 4462	21
4507 - 4738	18
4799 - 5078	19
5173 - 5378	19
5475 - 5676	16
5873 - 6144	22
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	115 total

Proposed Procedure

- 1 Notify COGCC 48 hrs prior to start of activity via electronic Form 42
- 2 Set CIBP + 2 sks cement at 4000 ft in 4-1/2" casing
- 3 Pressure test 4-1/2" casing and repair with cement, if necessary
- 4 Set CIBP at 1220' in 4-1/2" casing, perforate 4-1/2" casing with 3 holes phased 120°, at 1180'
- 5 Place a cement plug to cover 4-1/2" backside from perforations to 50' into 9-5/8", and leaving 50' 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