



Exploration and Production

Well P&A Procedure

Wellname **GM 33-2**
Location **NWSE 2-7S-96W**
Field **South Grand Valley**
County **Garfield, CO**
API **05-045-07128**
ELEV **5,202'**
Footages **1900 FSL 1860 FEL**

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Casing: 9-5/8" 36# - 332-ft
4-1/2" 11.6# and 12.6#, N-80, - 6,271-ft
Current Top of Cement: 3,700-ft CBL (RMWS 4/17/1997)

Purpose: Plug to abandon well

Zone: **All Perforations**

Existing

Perforations: Depth	Holes
4482 - 4681	20
4791 - 5116	20
5347 - 5580	20
5760 - 6101	20
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	80 total

Proposed Procedure

- 1 Notify COGCC 48 hrs prior to start of activity via electronic Form 42
- 2 Set CIBP + 2 sks cement at 4430' ft in 4-1/2" casing
- 3 Pressure test 4-1/2" casing, pump cement into leaking area
- 4 Set CIBP at 430' in 4-1/2" casing, perforate 4-1/2" casing with 3 holes phased 120°, at 380'
- 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