



Exploration and Production

Well P&A Procedure

Wellname **PA 13-31**
Location **SESW 31 6S 95W**
Field **Parachute**
County **Garfield, CO**
API **05-045-07850**
ELEV **5,561'**
Footages **644 FSL 1242 FWL**

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Revision Date:
8/4/2014

Casing: 9-5/8" 32.3#, H-40, - 960-ft
4-1/2" 11.6#, I-80, - 7,048-ft
Current Top of Cement: 4,880-ft CBL (HAL 03/21/05)

Purpose: Plug to abandon well

Zone: **All Perforations**

Existing
Perforations:

<u>Depth</u>	<u>Holes</u>
5220 - 5372	16
5456 - 5638	18
5719 - 5892	18
5996 - 6306	16
6481 - 6847	18
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	86 total

Proposed Procedure

- 1 Notify COGCC, BLM 48 hrs prior to start of activity via electronic Form 42
- 2 Set CIBP + 4 sks cement at 5150' ft in 4-1/2" casing
- 3 Pressure test 4-1/2" casing, report findings and remediation plans to BLM, pump cement into leaking areas, leave 10.3 ppg fluid between plugs
- 4 Set CIBP at 1060' in 4-1/2" casing, perforate 4-1/2" casing with 3 holes phased 120°, at 1010'
- 5 Place a 37 sks 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. Pressure test or tag cement, record findings
- 6 Cut off 9-5/8" and 4-1/2" casing to 4-ft below ground level
- 7 Apply a 50-ft, 17.2 sks surface cement plug from surface in 4-1/2" - 9-5/8" annulus
- 8 Place a 50-ft, 4.5 sks surface cement plug inside 4-1/2" casing
- 9 Submit wireline and cement field tickets to office
- 10 Weld in place dryhole marker
- 11 Backfill cellar
- 12 Properly abandon flowlines per Rule 1103. File electronic Form 42 after flowline abandonment is complete