



Exploration and Production

Well P&A Procedure

Revision Date:
12/8/2016

Wellname: **DOE 1-W-28**
 Location: **SWNE 28-6S-95W**
 Field: **Parachute**
 County: **Garfield, CO**
 API: **05 045 06586**
 ELEV: **5557'**
 Footages: **1915' FNL, 1755' FEL**

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Casing:	13-3/8" 24# - 29'	
	8-5/8" 24# - 315'	
	4-1/2" 10.5# - 3,851'	0.0159 bbls/LnFt
	2-3/8" 4.60# - 2,201'	0.0039 bbls/LnFt
	TBG in CSG volume	0.0105 bbls/LnFt
Current Top of Cement:	1,585' CBL (3-24-2010)	
Top of Wasatch:	2,088'	

Purpose: Plug to abandon well

Zone: **All Perforations**

Existing Perforations:		Depth	PHZ	Holes
Shallow	Deep			
2,088	2,117		1 SPF	30
2,118	2,129		1 SPF	12
2,130	2,140		1 SPF	11
2,143	2,148		1 SPF	6
		59	total	

Proposed Procedure

- 1 Notified COGCC & BLM Representative of start of activity
- 2 TIH w/2-3/8" TBG worked tight spots down through perforations to 2,120'
- 3 Opened backside to tank and established circulation
- 4 Pumped water spacer ahead of 8.27 bbls (TBG capacity @ 2,120')
- 5 Pumped 20 sk 15.8 ppg cement down TBG w/backside open and displaced to balance plug
- 6 POOH to 500'
- 7 Secured well for night and wait on cement
- 8 TIH and tagged cement plug ensuring coverage at least 50' over top perf @ 2,088' (tagged @ 1,970')
- 9 Shut well in and ensured no pressure built on TBG or CSG
- 10 TIH w/2-3/8" TBG, tagged plug, POOH to 1,660'
- 11 Open backside to tank and established circulation
- 12 Pumped water spacer ahead of 6.48 bbls (TBG capacity @ 1,660')
- 13 Pumped 26 sk 15.8 ppg cement down TBG w/backside open and displaced to balance plug
- 14 POOH to 500'
- 15 Secured well for night and wait on cement
- 16 TIH and tagged cement plug ensuring coverage at least 100' over 4-1/2" CSG annular cement top @ 1,585' (tagged @ 1,318')
- 17 Shut well in and ensured no pressure built on TBG or CSG
- 18 RU WL and TIH to 365' (50' deeper than surface CSG shoe)
- 19 Shot 1' @ 4 SPF 90 deg PHZ
- 20 POOH and RD WL
- 21 TIH w/2-3/8" TBG to 365'
- 22 Opened backside to tank and established circulation
- 23 Pumped water spacer ahead of 1.42 bbls (TBG capacity @ 365')
- 24 Pumped 115 sk 15.8 ppg cement surface plug down TBG w/backside open and displaced as needed filling hole full of cement
- 25 POOH & secure well
- 26 Cut WH and weld in place dryhole marker

